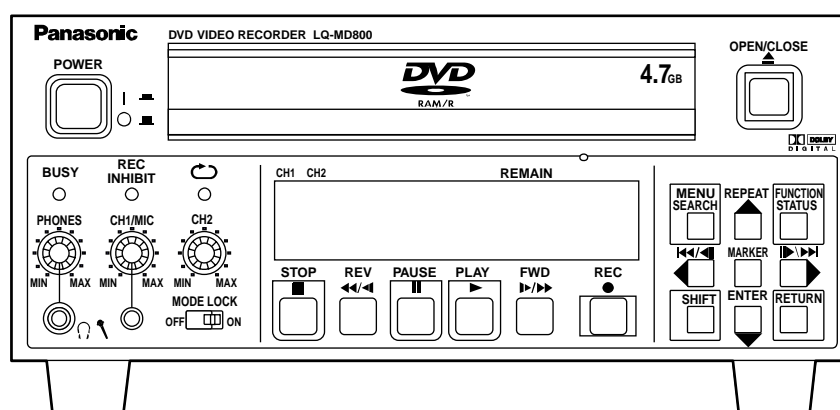


Service Manual

- Sec. 1** *Service Information*
- Sec. 2** *Disassembly Procedure*
- Sec. 3** *Electrical Adjustments*
- Sec. 4** *Block Diagrams*
- Sec. 5** *Schematic Diagrams*
- Sec. 6** *Exploded Views &
Replacement Parts Lists*

DVD Video Recorder
LQ-MD800P
LQ-MD800E



Panasonic


WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service manual by anyone else could result in serious injury or death.

Specifications

Power supply: AC 100 V–240 V, 50/60 Hz

Current consumption: 0.51 A–0.28 A

 indicates safety information.

General

Recording System: DVD Video Recording Standards (DVD-RAM),
DVD Video Standards (DVD-R)

Recordable discs: DVD-RAM: 12 cm 4.7 GB
12 cm 9.4 GB
DVD-R: 12 cm 4.7 GB
(for General Ver.2.0)
DVD-R: 12 cm 4.7 GB
(for General Ver.2.0/4x-Speed
DVD-R Revision 1.0)

Recording Time: Maximum 4 hours (with 4.7 GB disc)
XP: Approx. 1 hour
SP: Approx. 2 hours
LP: Approx. 4 hours

Playable discs: DVD-RAM: 12 cm 4.7 GB
12 cm 9.4 GB
DVD-R: 12 cm 4.7 GB
(for General Ver.2.0)
DVD-R: 12 cm 4.7 GB
(for General Ver.2.0/4x-Speed
DVD-R Revision 1.0)

Dimensions: 8-7/16(W) x 4-1/32(H) x 14-3/8(D) inch
(214(W) x 102(H) x 365(D) mm)

Mass: 10.14lbs (4.6 kg)

Operating Temperature:
41 °F–104 °F (5 °C–40 °C)

Operating Humidity range:
10 %–80 % RH (no condensation)

Audio

Recording System: Dolby Digital 2ch,
Linear PCM 2ch (XP/SP mode)

Audio In (PHONO): CH 1 / CH 2
Reference level
–10 dBv, 47 kΩ, unbalanced

MIC In (mini jack): Reference level
–50 dBv, 3 kΩ, unbalanced

Audio Out (PHONO): CH1 / CH2
Reference level
–10 dBv, 600 Ω, unbalanced

MONITOR Out (PHONO):
Reference level
–10 dBv, 600 Ω, unbalanced

Headphones Out (Stereo mini jack):
Reference level,
Maximum –28 dBv (variable),
8 Ω, unbalanced

Video

Video System: NTSC color signal, 525 Lines, 60 Fields
PAL color signal, 625 Lines, 50 Fields

Recording system: MPEG2 (Hybrid VBR)

Video In (BNC): 1.0 Vp-p, 75 Ω, unbalanced

S-Video In (4P): Y: 1.0 Vp-p, 75 Ω, unbalanced
(NTSC) C: 0.286 Vp-p (burst level), 75 Ω,
unbalanced
(PAL) C: 0.3 Vp-p (burst level), 75 Ω,
unbalanced

DV-Input (PAL/NTSC):
IEEE1394 Standard, 4pin

Video Out (BNC): 1.0 Vp-p, 75 Ω, unbalanced

S-Video Out (4P): Y: 1.0 Vp-p, 75 Ω, unbalanced
(NTSC) C: 0.286 Vp-p (burst level), 75 Ω,
unbalanced
(PAL) C: 0.3 Vp-p (burst level), 75 Ω,
unbalanced

Component video output (BNC)
(NTSC 480P/480I) (PAL 576I):
Y: 1.0 Vp-p, 75 Ω, unbalanced
P_B: 0.7 Vp-p, 75 Ω, unbalanced
P_R: 0.7 Vp-p, 75 Ω, unbalanced

Remote

USB (Type-B connector):
USB Ver.1.1 (cable length: max. 3 m)

RS-232C (D-sub 9 pin)

PAUSE REMOTE (Stereo mini jack)

LASER Specification

Class 1 LASER Product

Wave Length: 779 nm–791 nm, 653 nm–662 nm

Laser Power: No hazardous radiation is emitted
with the safety protection

Notes:

- Mass and dimensions shown are approximate.
- Specifications are subject to change without notice.

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts, which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5M .

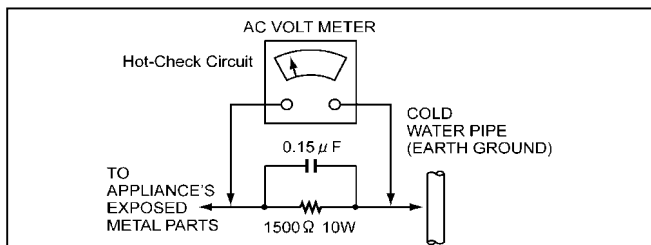


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μF capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution:

1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70°F (30–40°C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700–20°F (370–10°C).
2. Pb free solder will tend to splash when heated too high (about 1100°F/600°C).

NOTICE FOR MEDICAL USE

-This is an apparatus intended for recording and playing-back of diagnosis image classified as;

- *Protection against Electric Shock Class 1
- *Protection against ingress of Water Ordinary
- *Mode of Operation Continuous
- *Not suitable for use in the presence of a Flammable Anesthetic mixture with Air or with Oxygen or Nitrous Oxide

-Equipment connected to signal input and/or output parts must be certified according to the appropriate IEC 60601-1 and/or IEC 60601-1-1 harmonized national standard. Furthermore all configurations shall comply with the system standard IEC 60601-1-1. Everybody who connects additional equipment to the signal input parts, or signal output parts configured a medical system, and is therefore responsible that the system complies with the equipments of the standard IEC 60601-1-1.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
(most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

Lithium Battery

Warning

The lithium battery in this equipment must only be replaced by qualified personnel.

The lithium battery is a critical component (type number CR2032U/B manufactured by Panasonic.)

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement battery/batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connection observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose. It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

VARNING

Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattilverkaren. Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL

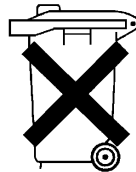
Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

VAROITUS

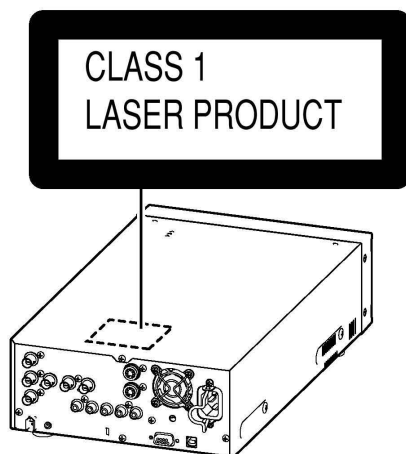
Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

Attention

A battery is used for memory backup in the unit. When the battery is exchanged, you should not throw it away, but dispose of it as chemical waste.



NOTICE FOR LASER



Inside of unit

DANGER	- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM. (FDA 21 CFR)
CAUTION	- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. (IEC60825-1)
ATTENTION	- RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.
ADVARSEL	- SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARO!	- AVATTAESSA OLET ALTTIINA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING	- SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN.
ADVARSEL	- SYNLIG OG USYNLIG LASERSTRÅLING NÄR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	- SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.
注意	- 打开时有可见及不可见激光辐射。避免激光束照射。
注意	- ここを開くと可視及び不可視のレーザー光が出ます。 ビームを直接見たり、触れたりしないでください。

SECTION 2

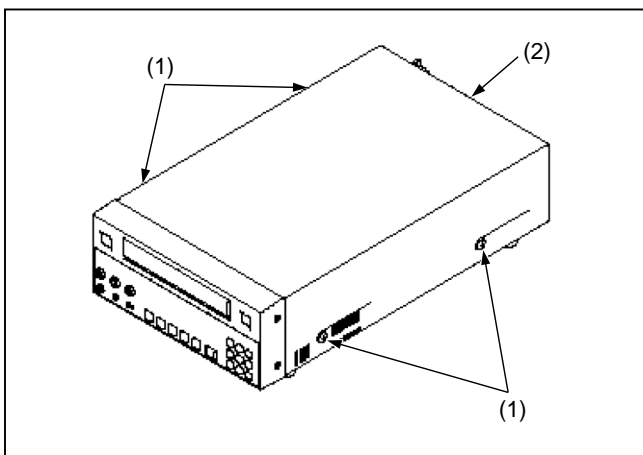
DISASSEMBLY PROCEDURE

CONTENTS

1. Removal of Top Panel	DIS-1
2. Removal of Bottom Case	DIS-1
3. Removal of Front Panel.....	DIS-1
4. Removal of Rear jack plate	DIS-1
5. Removal of Power unit.....	DIS-2
6. Removal of Drive unit.....	DIS-2
7. Removal of Main P.C. Board and Digital P.C. Board	DIS-2
8. Removal of Digital P.C. Board	DIS-3

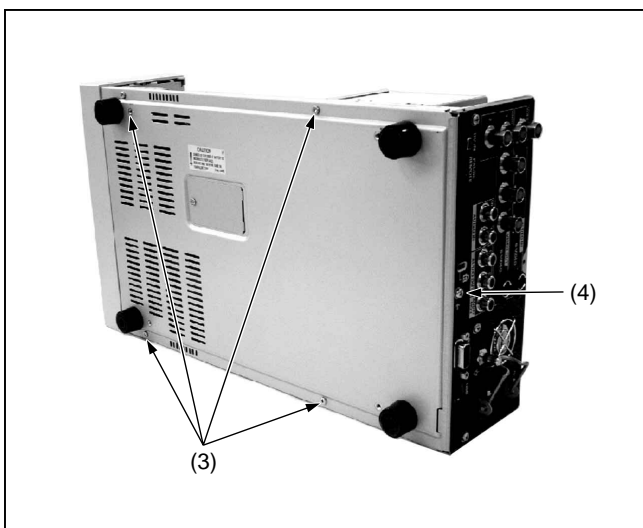
1. Removal of Top Panel

1. Unscrew the 5 screws (1) and (2).
2. Remove the top panel while lifting the rear part of it.



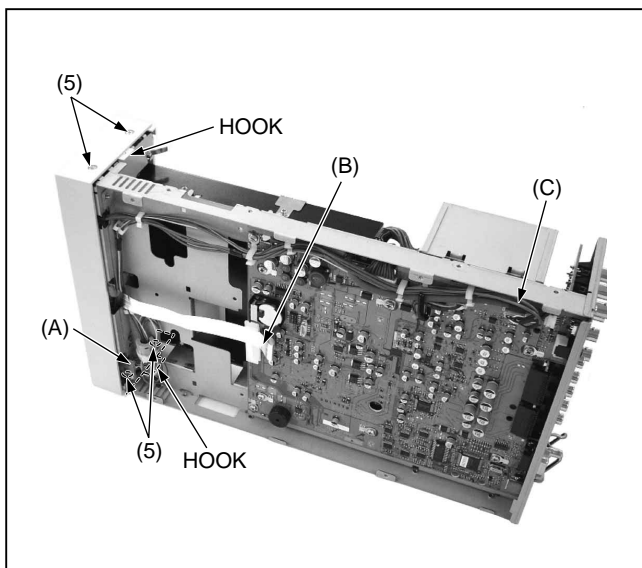
2. Removal of Bottom Case

1. Remove the top panel.
2. Unscrew the 5 screws (3) and (4).
3. Remove the bottom cover while lifting the front part of it.



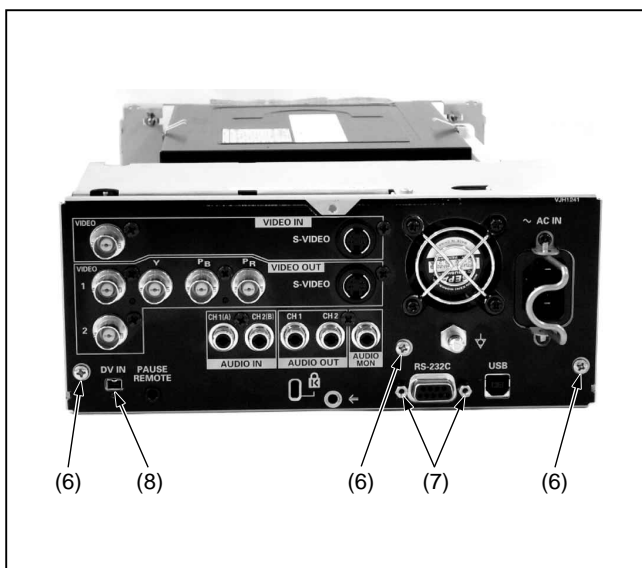
3. Removal of Front Panel

1. Remove the top panel and bottom case.
2. Unscrew the 4 screws (5).
3. Disconnect the 3 connectors (A),(B) and (C).
4. Remove the front panel while releasing the two hooks.



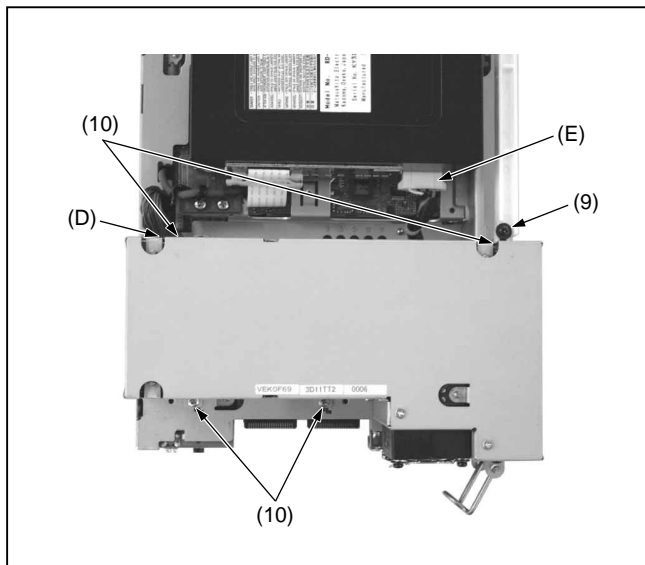
4. Removal of Rear jack plate

1. Remove the top panel and bottom case.
2. Unscrew the 6 screws (6), (7) and (8).
3. Remove the rear jack plate. Be careful because the MAIN P.C.Board and the connector in the rear jack P.C.Board are combined.



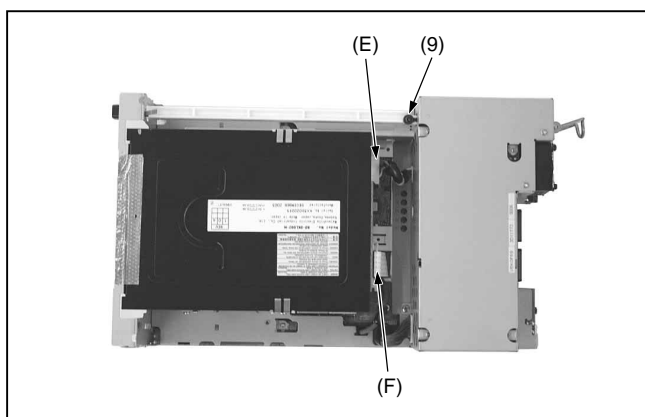
5. Removal of Power unit

1. Remove the top panel, bottom case and rear jack plate.
2. Unscrew a screw (9) and remove the power rod.
3. Unscrew the 4 screws (10).
4. Disconnect the 2 connectors (D) and (E).
5. Remove the power unit.

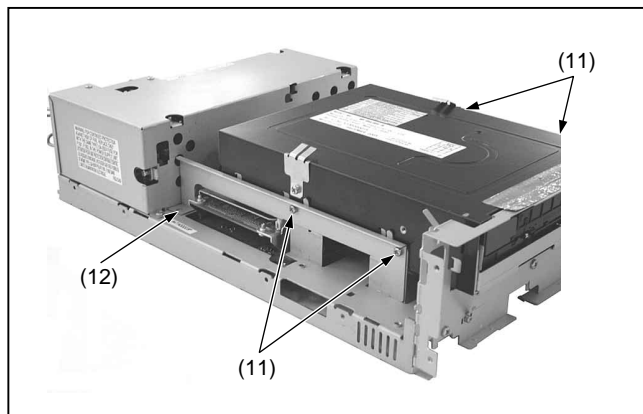


6. Removal of Drive unit

1. Remove the top panel, bottom case and front panel.
2. Loosen a screw (9) and remove the power rod.
3. Disconnect the 2 connectors (E) and (F).

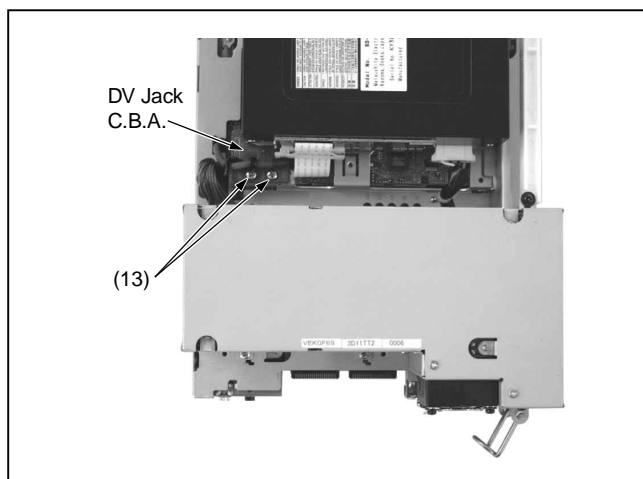


4. Unscrew the 5 screws (11) and (12) with support angle.
5. Peel off the shielding tape.
6. Remove the drive unit while lifting the rear part of it.

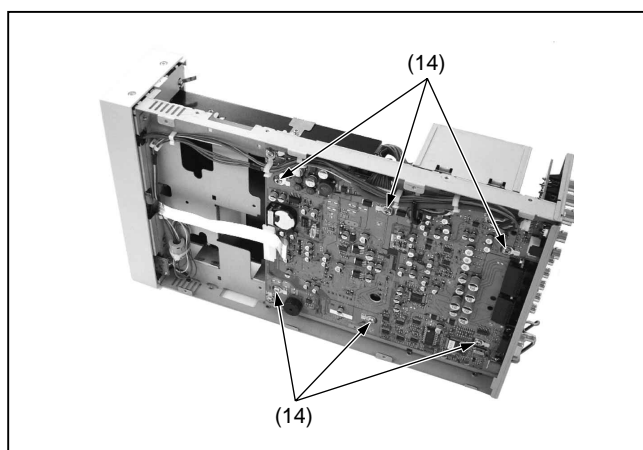


7. Removal of Main C.B.A. and Digital C.B.A..

1. Remove the top panel, bottom case and rear jack plate.
2. Unscrew the 2 screws (13) and remove the DV jack C.B.A.



3. Unscrew the 6 screws (14) and remove the MAIN P.C.Board and DIGITAL P.C.Board.

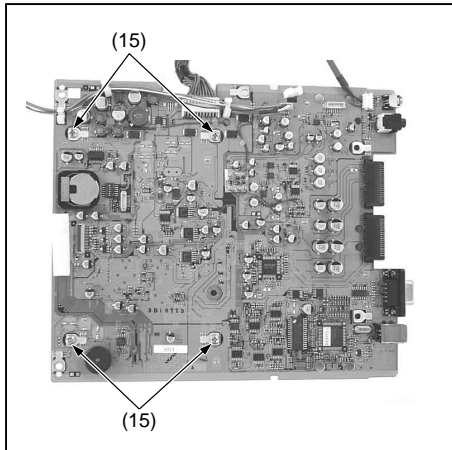


8. Removal of Digital P.C.Board

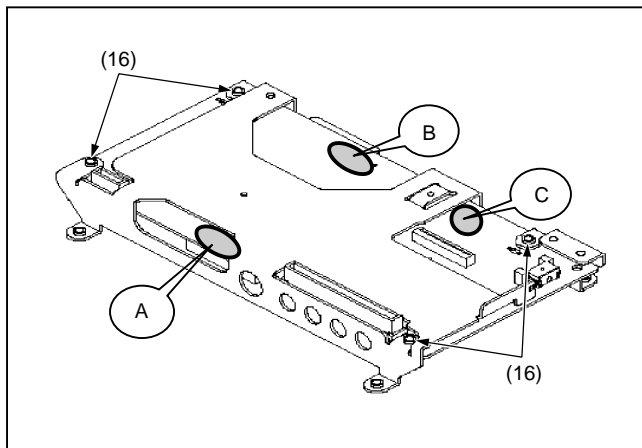
Use extreme care not to deform when removing or replacing the Digital P.C.Board.

<Disassembly procedure>

1. Remove the MAIN P.C.Board and DIGITAL P.C.Board.
2. Unscrew the 4 screws (15).



3. Lift the portion A on the Digital P.C.Board.
4. Lift the portion B and C on the Digital P.C.Board at the same time to remove.
5. Unscrew the 4 screws (16) and remove the angle.

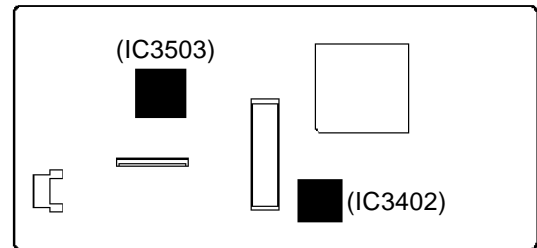


<Reassembly procedure>

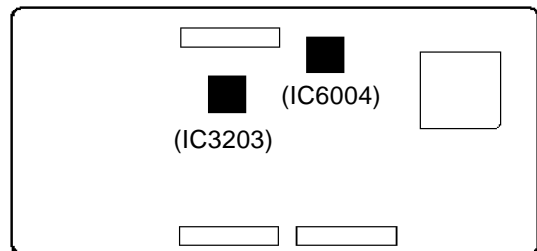
1. Install the angle by 4 screws (16).
2. Press the portion A on the Digital P.C.Board.
3. Press the portion B and C on the Digital P.C.Board at the same time.

Note:

Do not touch the CSP(IC3402,IC3503,IC6004,IC3203) during servicing.



(FOIL SIDE)



(COMPONENT SIDE)

SECTION 3

ELECTRICAL ADJUSTMENTS

CONTENTS

1. EVR ADJUSTMENT PROCEDURE	ELE-1
1-1. PREPARATION.	ELE-1
1-2. The connection and the communication setting procedure.	ELE-1
1-3. The start-up of the EVR adjustment software.	ELE-2
2. ADJUSTMENT	ELE-3
2-1. EE Y OUT Level Adjustment	ELE-3
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2-5. Composite Frequency Characteristic Adjustment	ELE-4
2-6. Component Frequency Characteristic Adjustment	ELE-4
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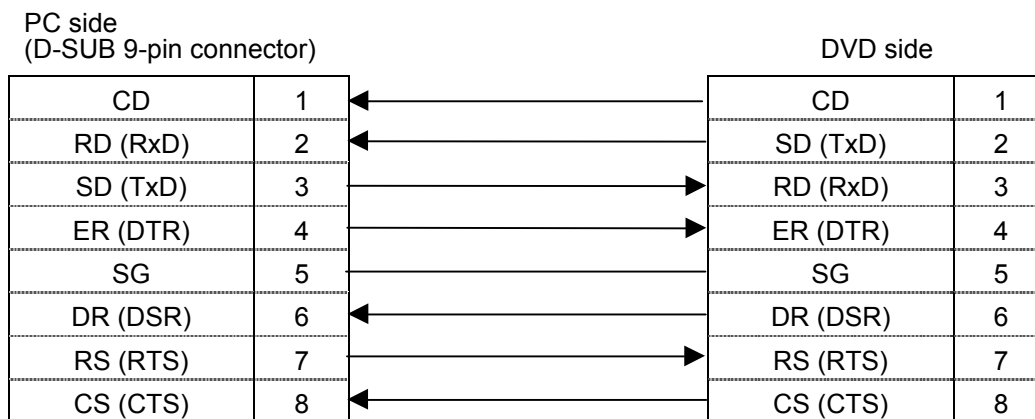
1. EVR ADJUSTMENT PROCEDURE

1-1. PREPARATION

Adjust the Electrical Adjustment using EVR adjustment software (VFK1912).
Adjust by the following procedure.

Items required for EVR adjustment

EVR adjustment software VFK1912
Personal computer compatible with Windows
RS-232C cable (D-SUB 9-pin straight cable)

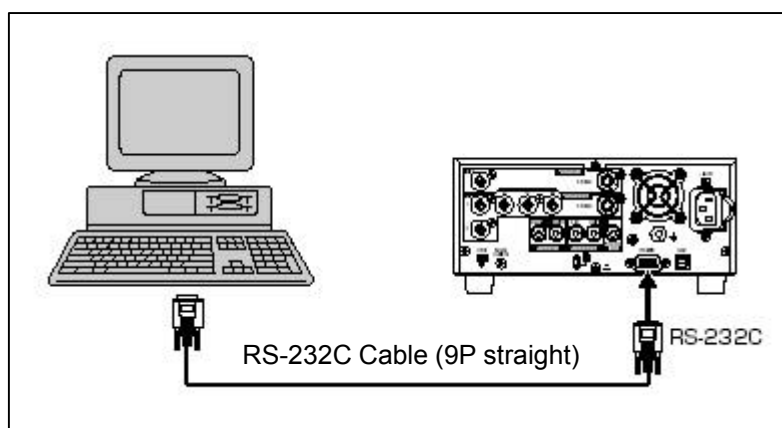


1-2. The connection and the communication setting procedure

1. Set the communication setting for the RS-232C as follow.

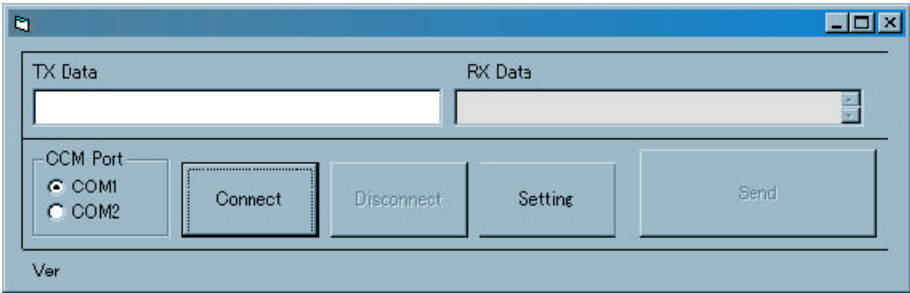
Baud Rate	9600
Bit Length	8 bit
Stop bit	1 bit
Parity	None
Protocol	DVD

2. Turn off the power for the LQ-M800 and personal computer.
Connect the RS-232C terminal on the LQ-MD800 and COM1 port on personal computer by RS-232C cable.
3. Turn on the power for the LQ-M800 and personal computer.

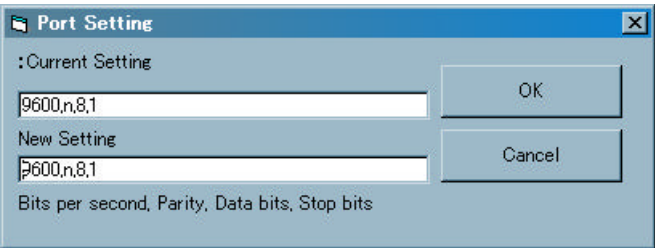


1-3. The start-up of the EVR adjustment software

- 1. Copy downloaded EVR adjustment software into the personal computer.
- 2. Execute the MD800EVR.exe so that the following screen appears.



- 3. Press the “Setting” button so that the following appears.
- 4. Select “New Setting” and input “9600,n,8,1”, and click “OK”.



- 5. Input command [\$VA : C : “command” : “parameter”] of each adjustment in “TX Date” box, and click “OK”.
- 6. Adjustment value changes by changing a parameter.

<Example>

2-1. EE Y OUT Level Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND CSY PARAMETER C8 ~ 00 ~ 38
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	EE
M.EQ	Oscilloscope
SPEC.	Y=1.0 ± 0.02Vp-p

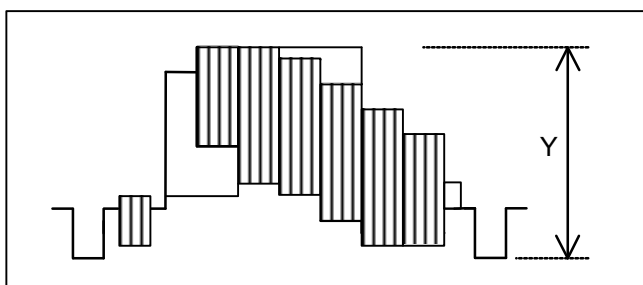
- 1).Input “\$VA:C:CSY:00” and click “OK”.
- 2).Change a parameter between “C8” and “38”.

2. ADJUSTMENT

2-1. EE Y OUT Level Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : CSY PARAMETER : C8 ~ 00 ~ 38
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	EE
M.EQ	Oscilloscope
SPEC.	$Y=1.0 \pm 0.02V_{p-p}$

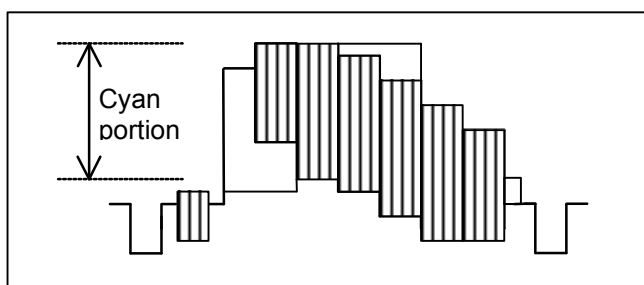
1. Set the input select to V (Video).
2. Adjust with EVR software so that the Y level is within specification.



2-2. EE C OUT Level Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : CRM PARAMETER : B8 ~ 00 ~ 48
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	EE
M.EQ	Oscilloscope
SPEC.	NTSC : $C = 0.63 \pm 0.03V_{p-p}$ PAL : $C = 0.88 \pm 0.04V_{p-p}$

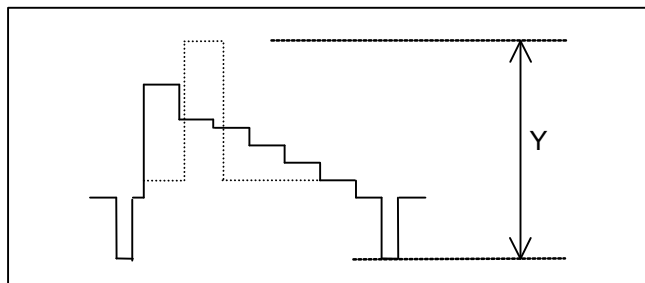
1. Set the input select to V (Video).
2. Adjust with EVR software so that the Cyan portion of C level is within specification.



2-3. Component Y Level Adjustment

BOARD	MAIN C.B.A.
TP	Y OUT
ADJ.	Remote operation by RS-232C control COMMAND : CNY PARAMETER : C8 ~ 00 ~ 38
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	$Y = 1.0 \pm 0.02V_{p-p}$

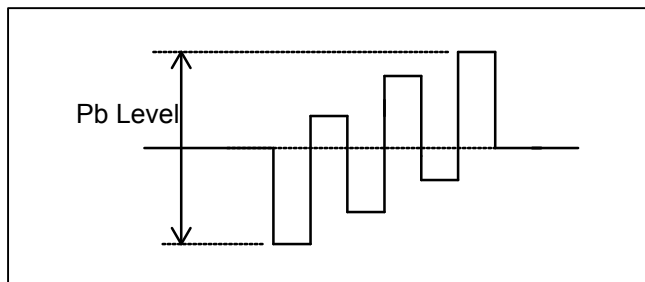
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the Y level is within specification.



2-4. Pb Level Adjustment

BOARD	MAIN C.B.A.
TP	Pb OUT
ADJ.	Remote operation by RS-232C control COMMAND : CBR PARAMETER : B8 ~ 00 ~ 48
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	NTSC : Pb Level $= 0.486 \pm 0.025V_{p-p}$ PAL : Pb Level $= 0.7 \pm 0.035V_{p-p}$

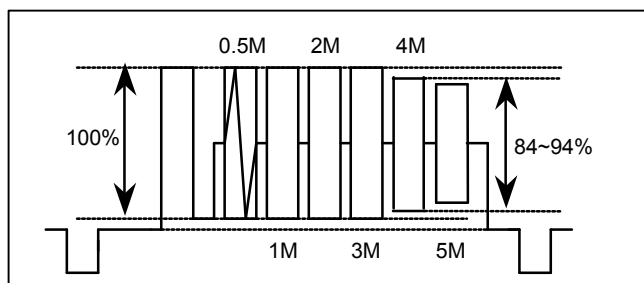
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the Pb level is within specification.



2-5. Composite Frequency Characteristic Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : CSF PARAMETER : FB ~ 00 ~ 05
SIGNAL	60IRE MULTI BURST SIGNAL or MULTIBURST SIGNAL or VIDEO SWEEP
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	4MHz portion : $-1.0 \pm 0.5\text{dB}$ of the 100kHz portion

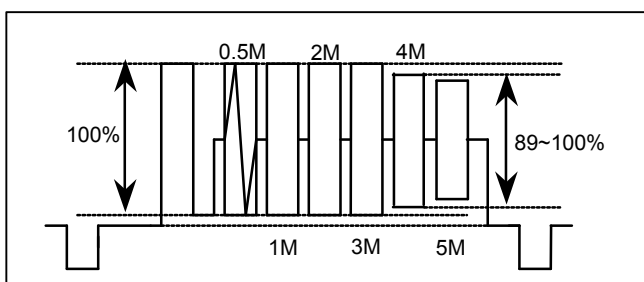
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the 4MHz portion is within specification.



2-6. Component Frequency Characteristic Adjustment

BOARD	MAIN C.B.A.
TP	Y OUT
ADJ.	Remote operation by RS-232C control COMMAND : CNF PARAMETER : FB ~ 00 ~ 05
SIGNAL	60IRE MULTI BURST SIGNAL or MULTIBURST SIGNAL or VIDEO SWEEP
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	4MHz portion : $-0.5 \pm 0.5\text{dB}$ of the 100kHz portion

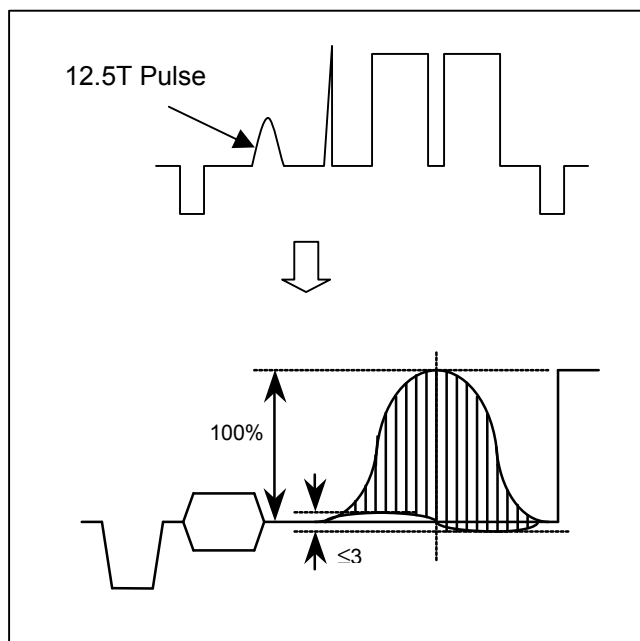
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the 4MHz portion is within specification.



2-7. Composite Y/C Signal Timing Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : YCT PARAMETER : FD ~ 00 ~ 03
SIGNAL	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	SELF-REC/PLAY (XP mode)
M. EQ	Oscilloscope
SPEC.	Y,C Timing : $0 \pm 50\text{nsec}$ C Level $\leq 3\%$ of the Y Level

1. Confirm that the 12.5T modulation signal portion of Composite VIDEO OUT is displayed correctly on the Oscilloscope as shown in figure.
2. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
3. Adjust Y/C timing and C level so that they are within specification.



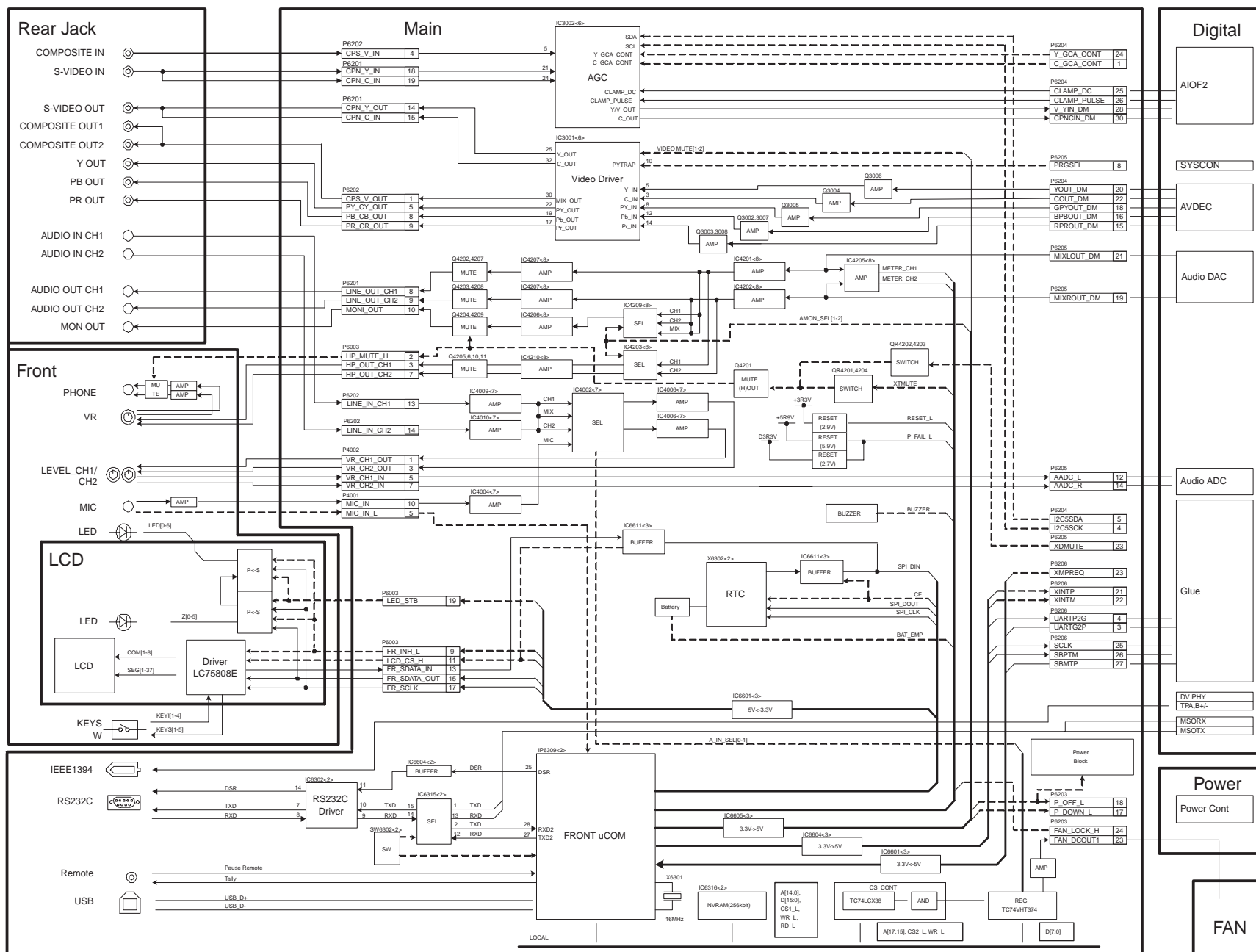
SECTION 4

BLOCK DIAGRAMS

CONTENTS

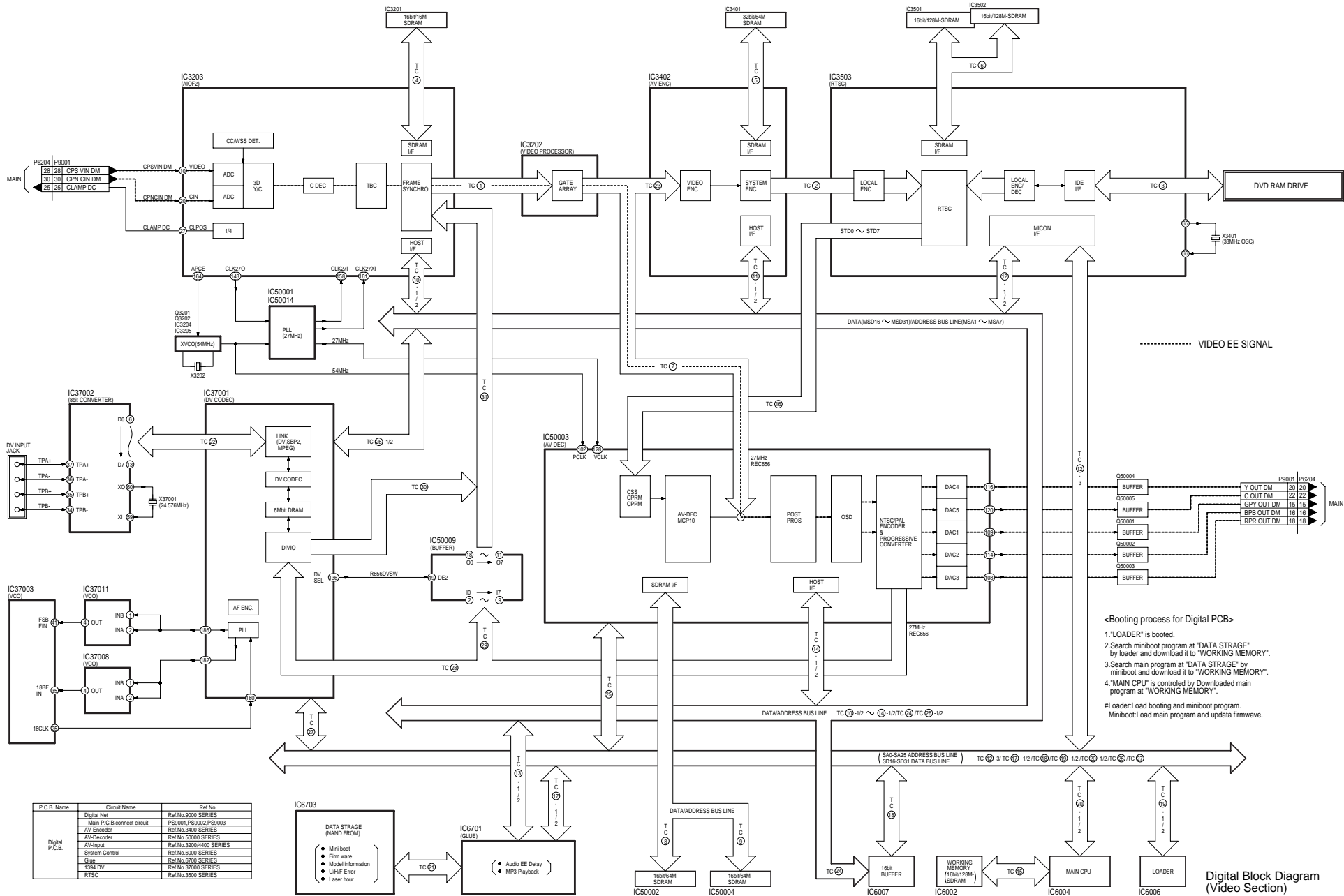
MAIN BLOCK DIAGRAM	BLK-1
DIGITAL BLOCK DIAGRAM (Video Section)	BLK-2
DIGITAL BLOCK DIAGRAM (Audio Section)	BLK-3

BLK-K-1



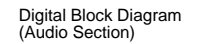
DIGITAL BLOCK DIAGRAM (Video Section)

BLK-2



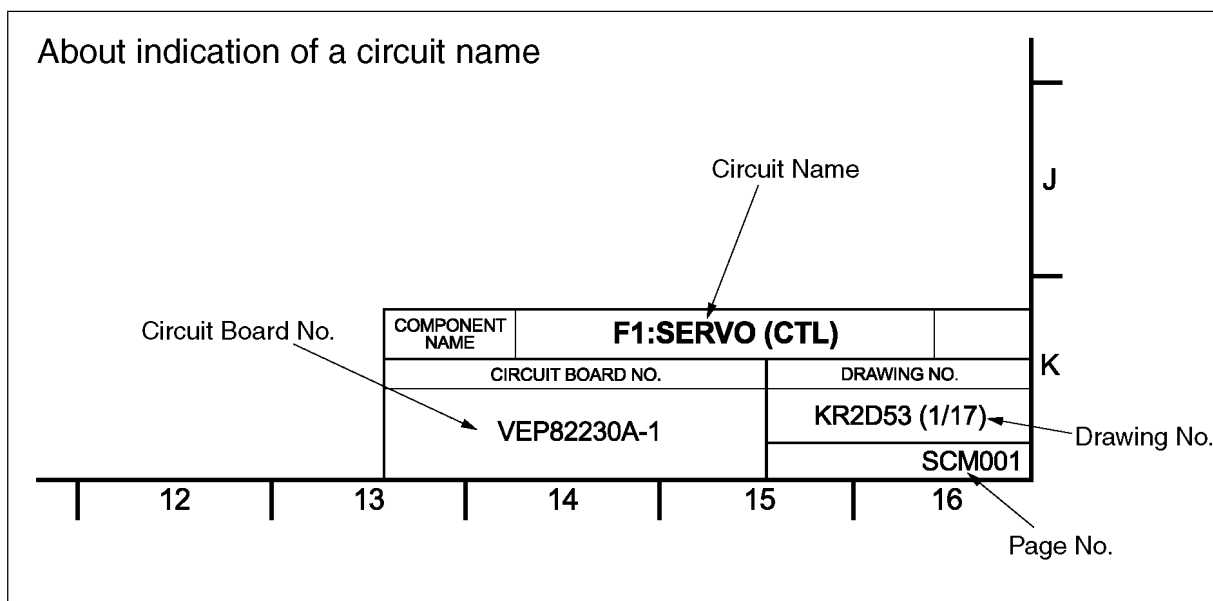
Digital Block Diagram (Video Section)

BLK-3



SECTION 5

SCHEMATIC DIAGRAMS



NOTE:

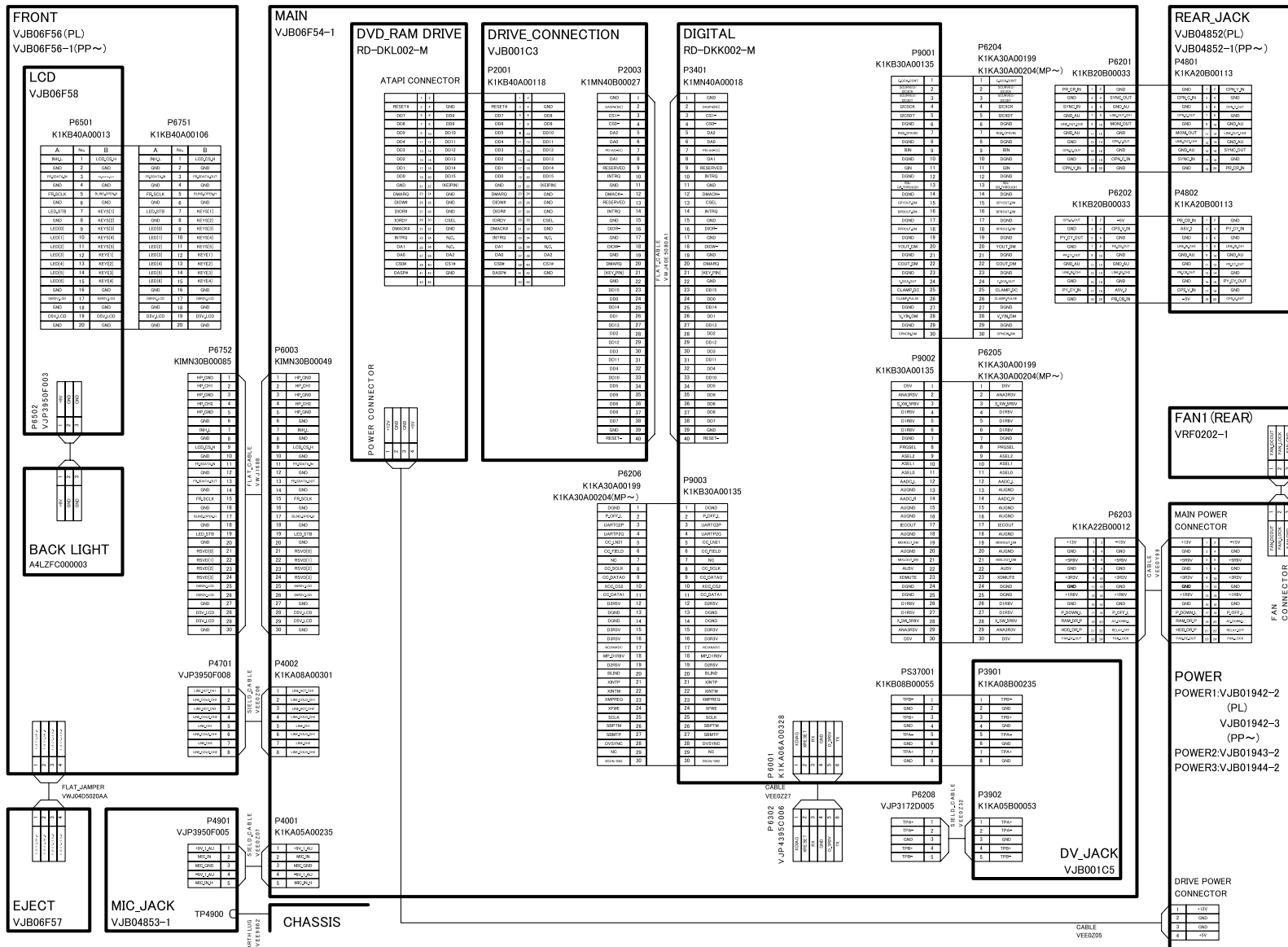
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST

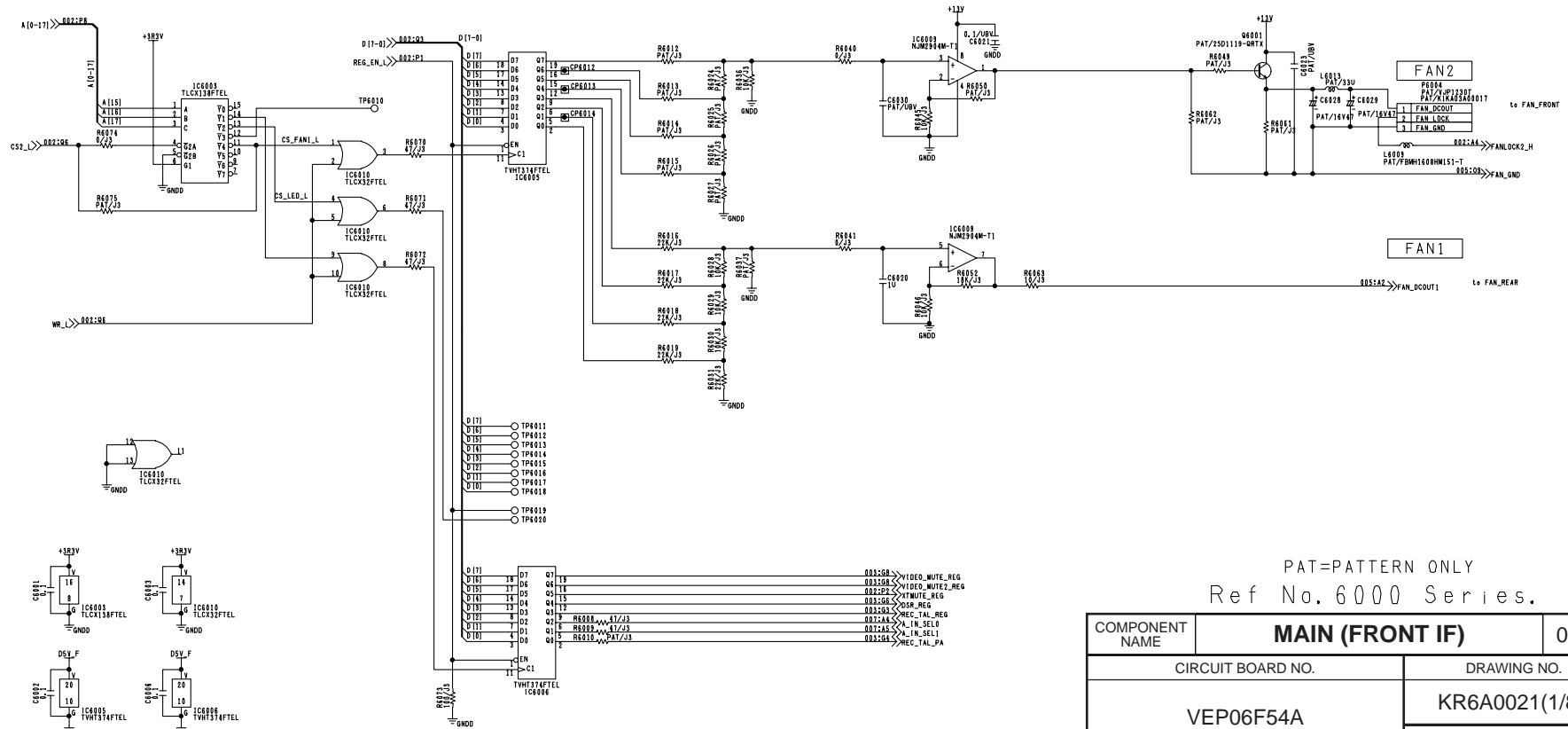
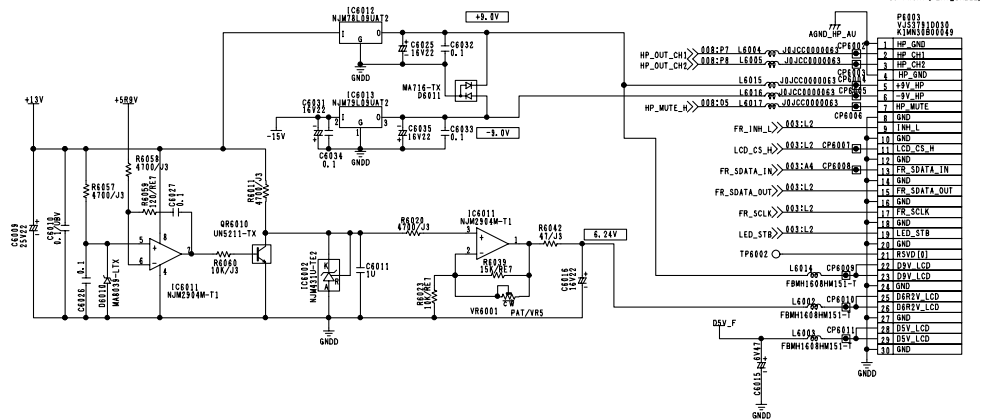
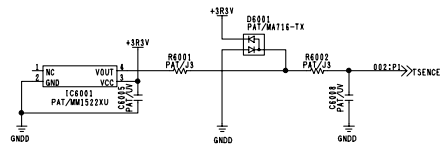
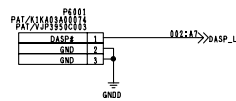
IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK • HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY, WHEN REPLACING ANY OF THESE VOMponents, USE ONLY THE SAME TYPE.

CONTENTS

INTERCONNECTION (1/1).....	SCM001
MAIN (FRONT IF) (1/8).....	SCM002
MAIN (FRONT) (2/8).....	SCM003
MAIN (3/5 5/3) (3/8)	SCM004
MAIN (BACKUP/BUZZER) (4/8)	SCM005
MAIN (INTERFACE) (5/8).....	SCM006
MAIN (VIDEO) (6/8)	SCM007
MAIN (AUDIO1) (7/8).....	SCM008
MAIN (AUDIO2) (8/8).....	SCM009
SUB (POWER1) (1/1)	SCM010
SUB (POWER2) (1/1)	SCM011
SUB (POWER3) (1/2)	SCM012
SUB (POWER3) (2/2)	SCM013
LCD (1/1)	SCM014
FRONT (KEY) (1/3).....	SCM015
FRONT (HEAD PHONE) (2/3)	SCM016
FRONT (CONNECT) (3/3)	SCM017
REAR JACK (1/1).....	SCM018
MIC JACK (1/1)	SCM019
DRIVE CONNECTION (1/1).....	SCM020
DV JACK (1/1).....	SCM021
EJECT (1/1).....	SCM022

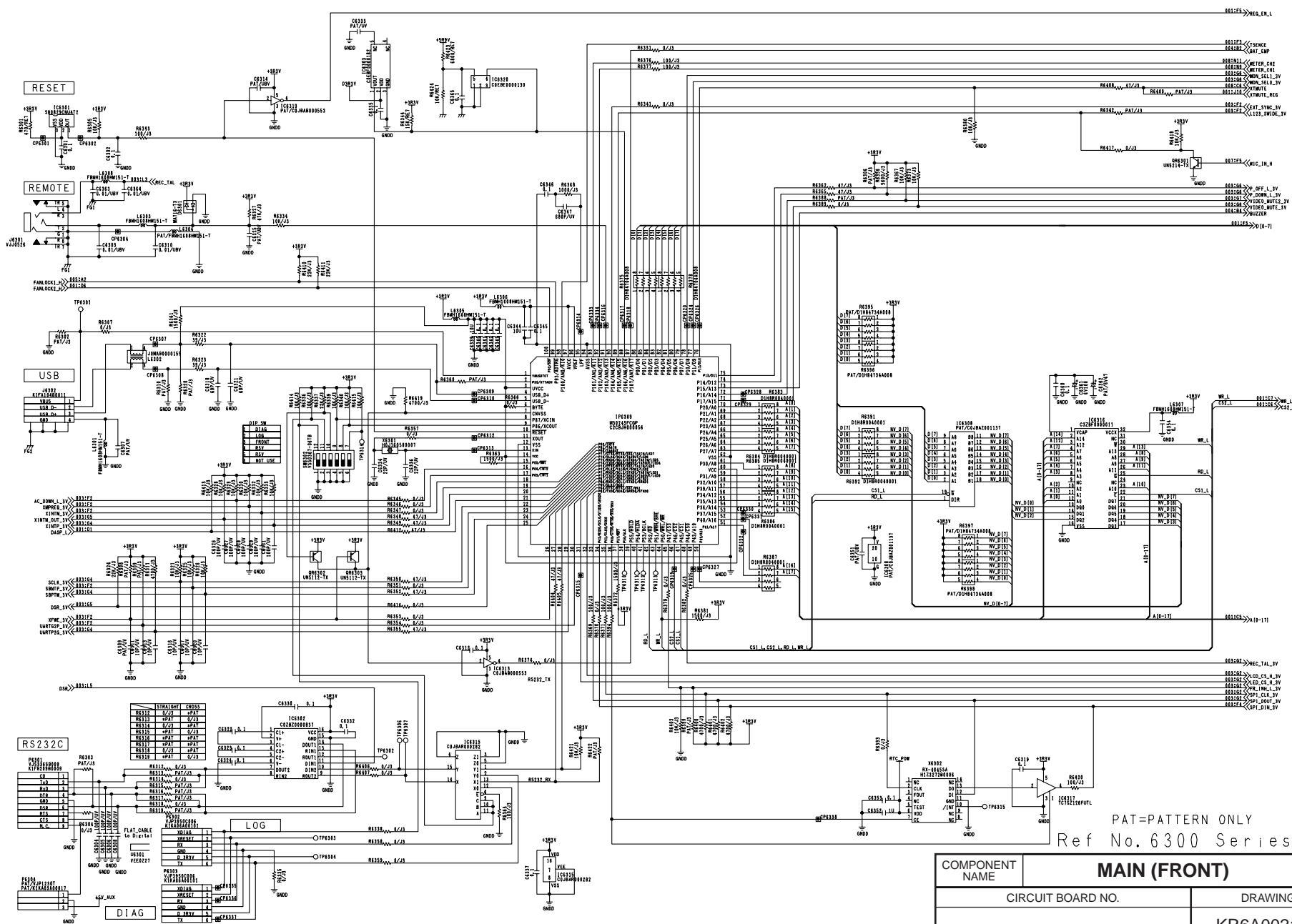




PAT=PATTERN ONLY
Ref No. 6000 Series.

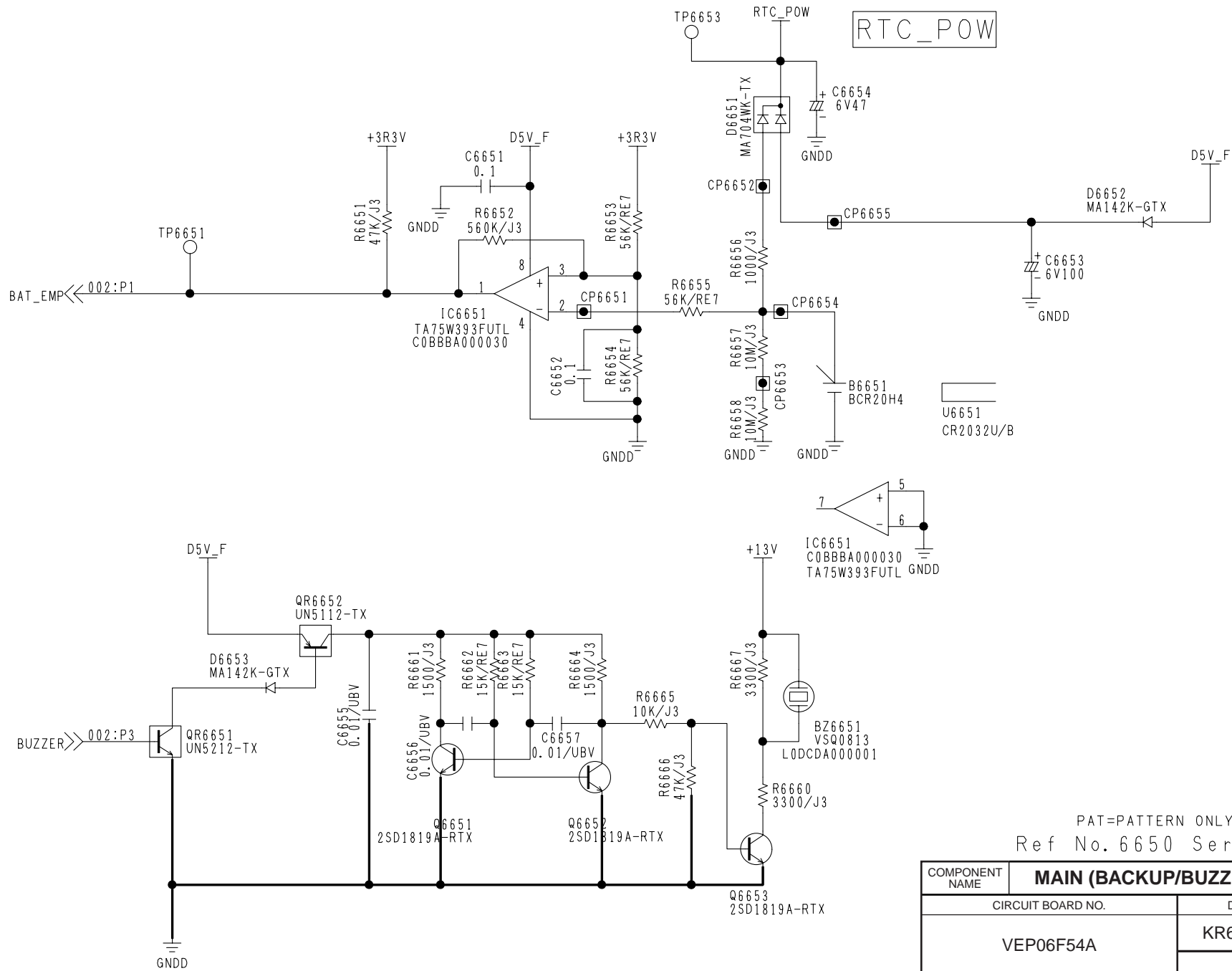
COMPONENT NAME	MAIN (FRONT IF)		01/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021(1/8)	
		SCM002	

SCM002



COMPONENT NAME	MAIN (FRONT)		02/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021 (2/8)	
		SCM003	

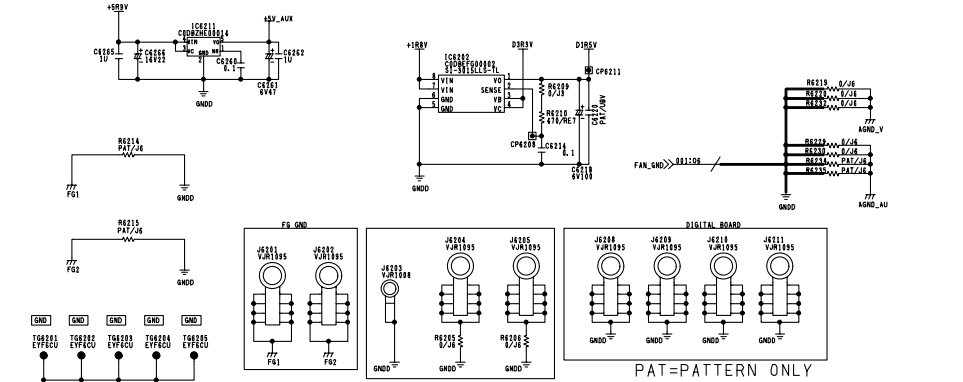
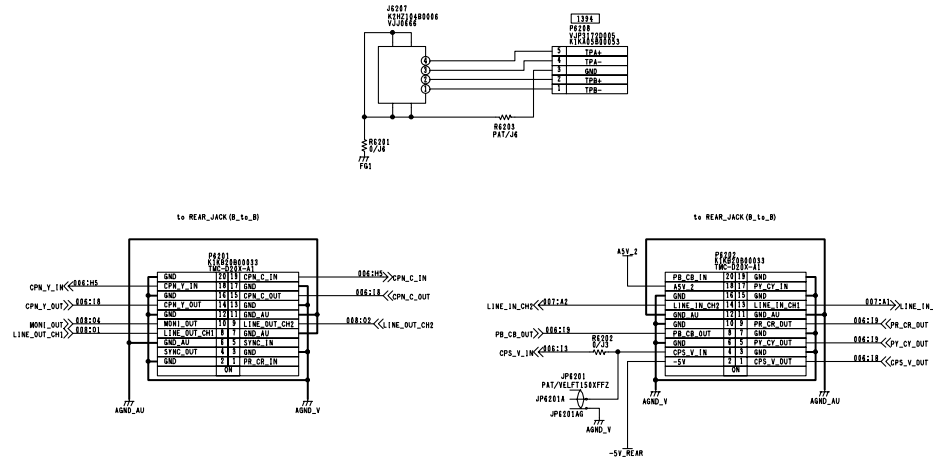
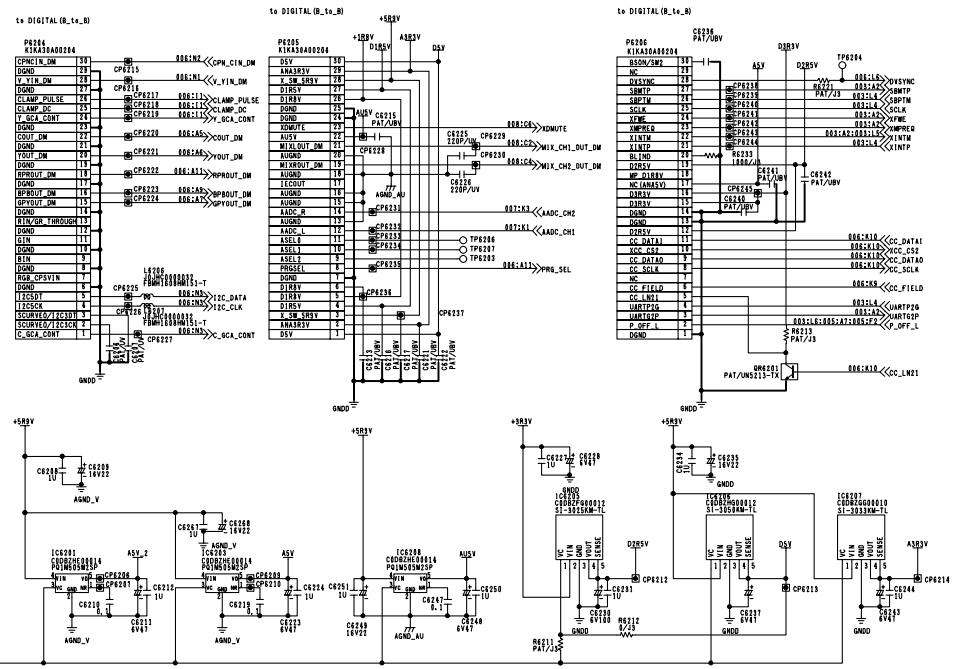
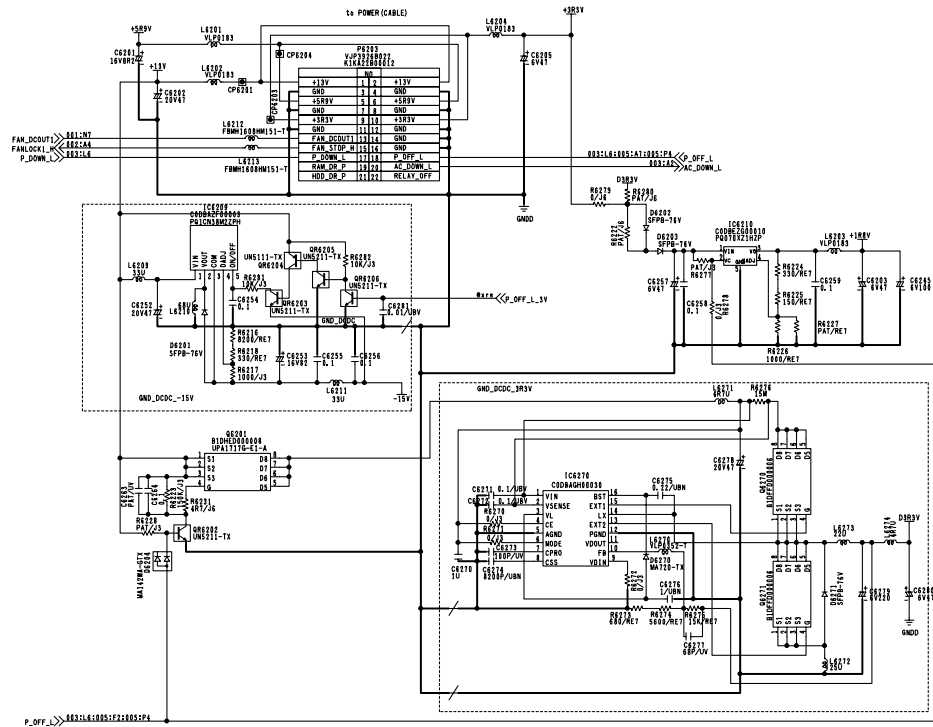
SCM005



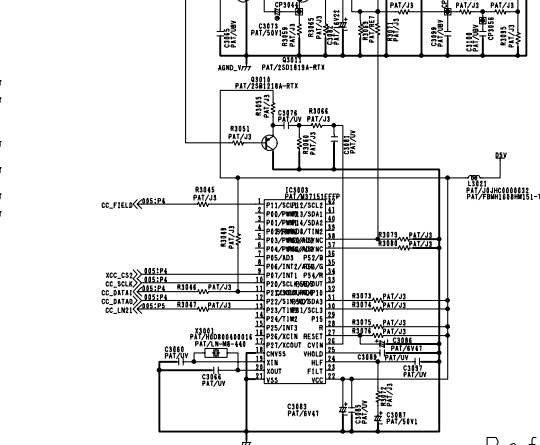
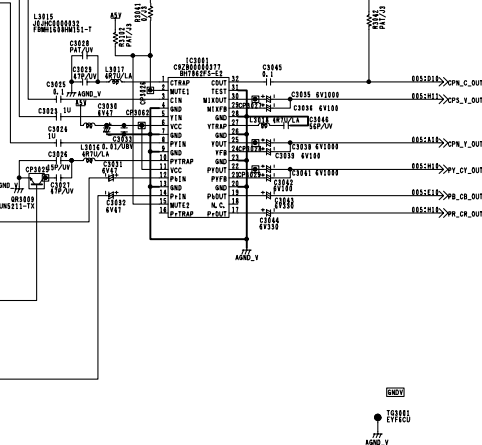
PAT=PATTERN ONLY
Ref No.6650 Series.

COMPONENT NAME	MAIN (BACKUP/BUZZER)	04/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP06F54A		KR6A0021 (4/8)
		SCM005

SCM006



COMPONENT NAME		MAIN (INTERFACE)		05/08	
CIRCUIT BOARD NO.			DRAWING NO.		
VEP06F54A			KR6A0021 (5/8)		
			SCM006		



COMPONENT NAME	MAIN (VIDEO)		06/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021 (6/8)	
		SCM007	


A vertical scale with 10 horizontal tick marks. The labels A, B, C, D, E, F, G, H, I, and J are positioned to the right of the scale, aligned with each tick mark from top to bottom.

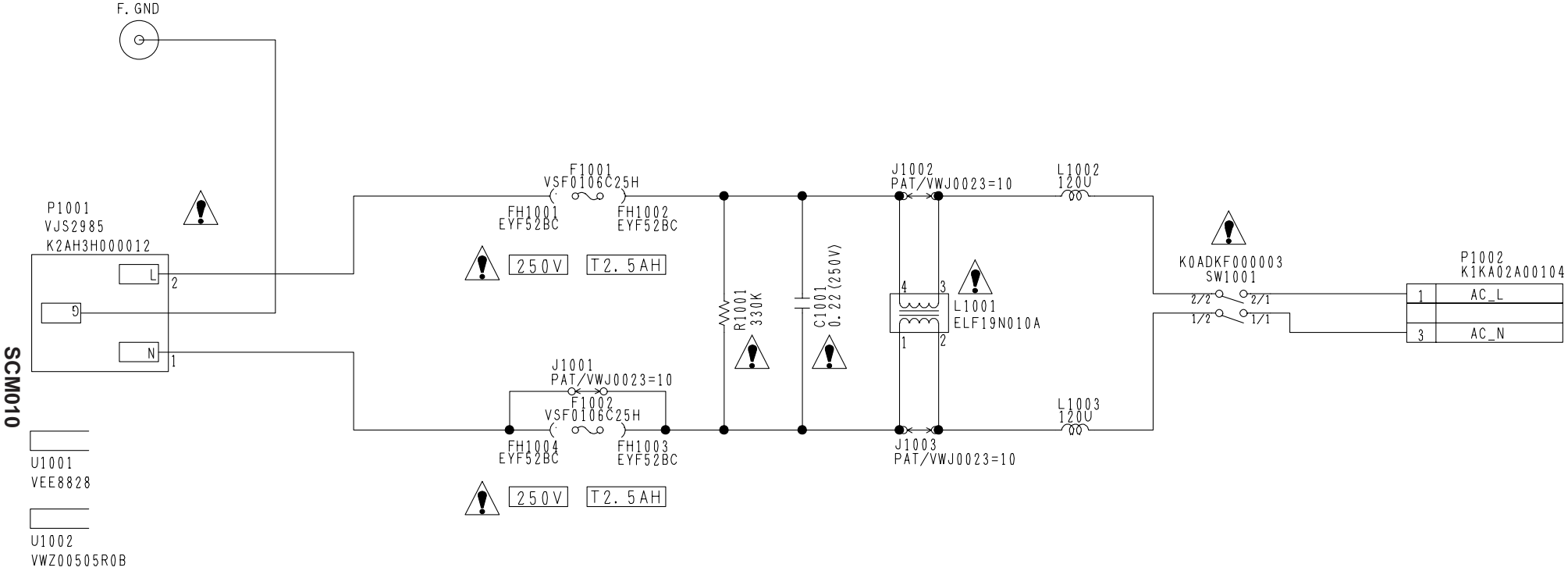


COMPONENT NAME	MAIN (AUDIO 1)		07/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021 (7/8)	
		SCM008	



COMPONENT NAME	MAIN (AUDIO 2)		08/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021 (8/8)	
		SCM009	

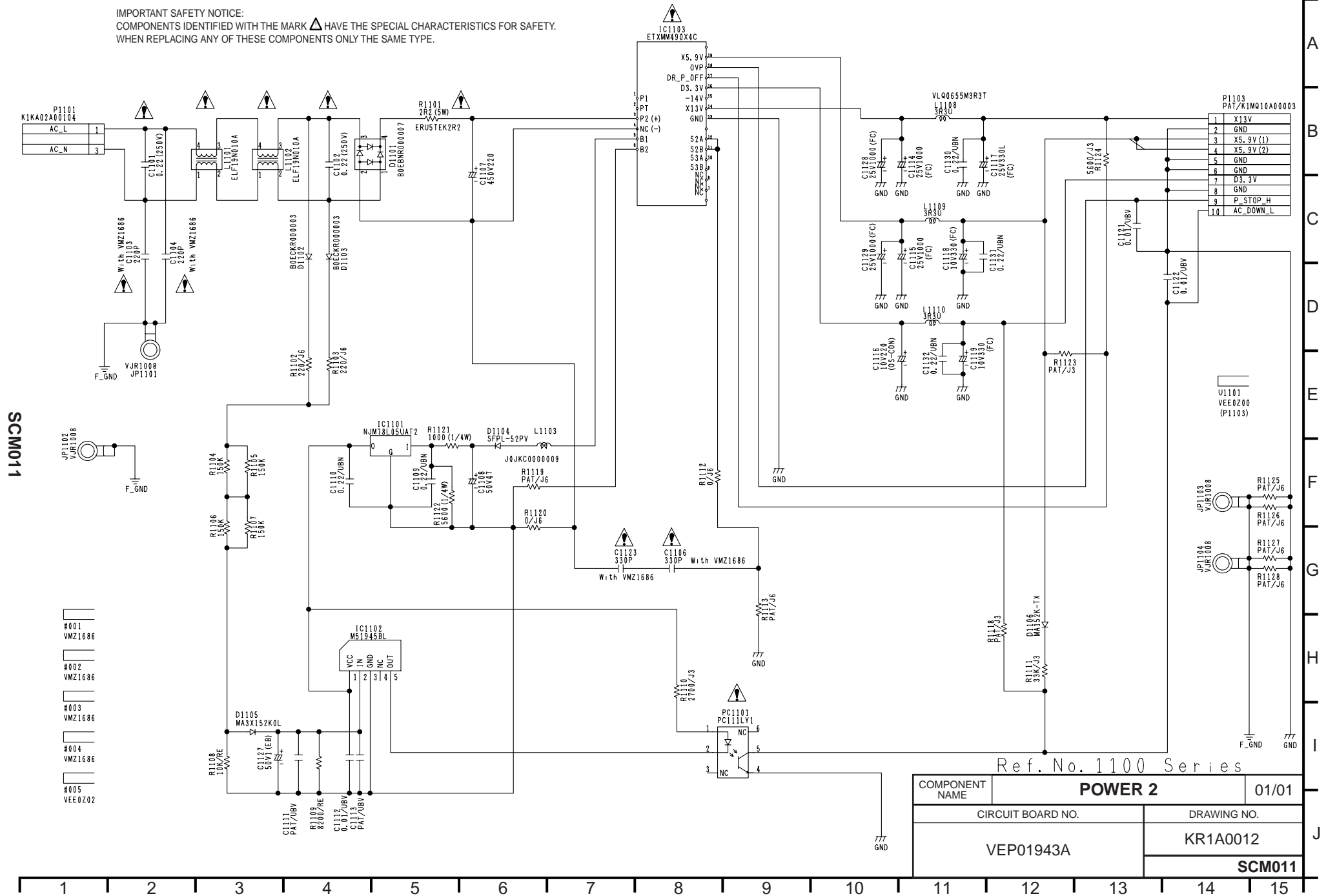
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS ONLY THE SAME TYPE.



Ref. No. 1000 Series

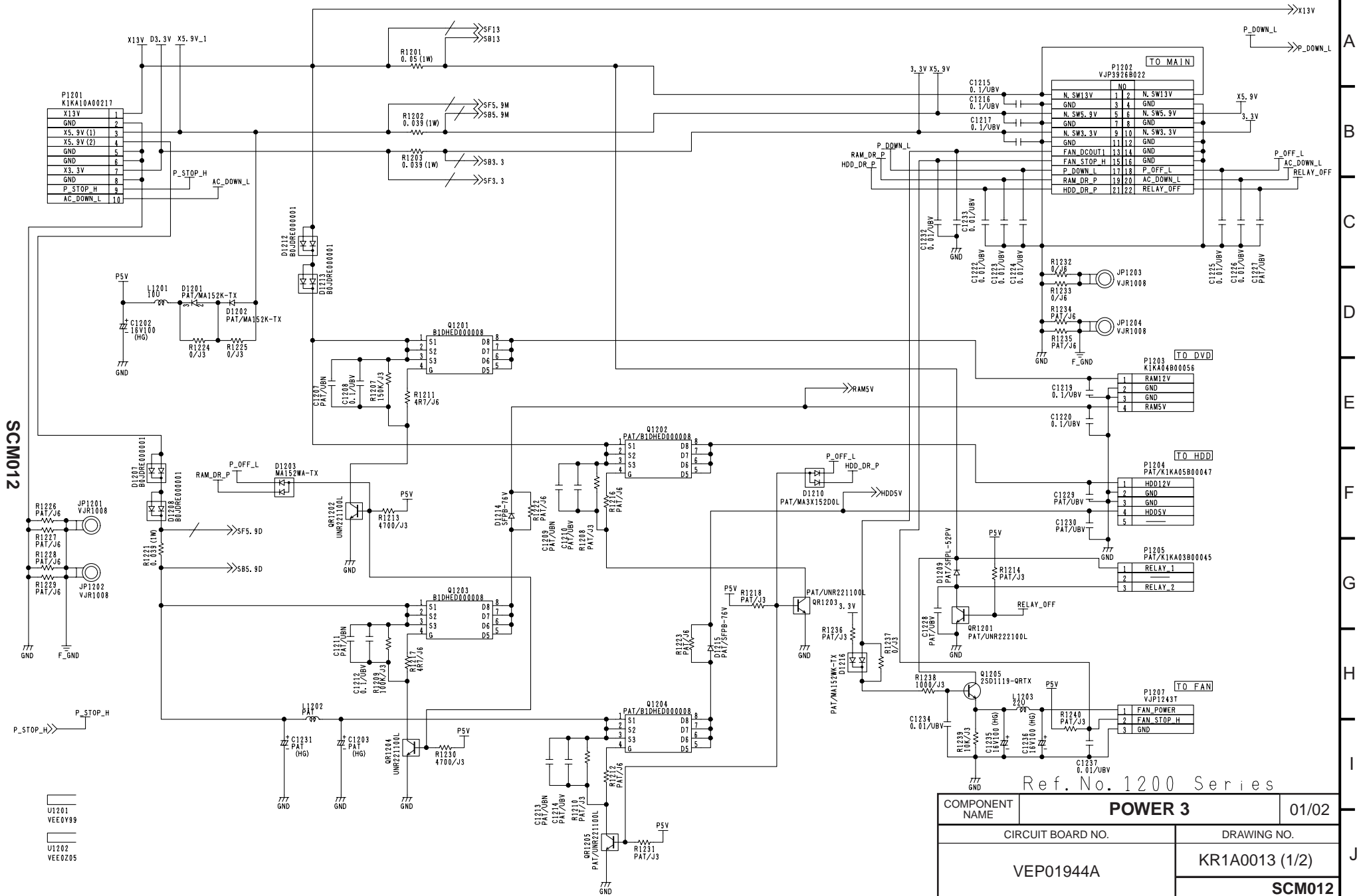
COMPONENT NAME	POWER 1		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
VEP01942A		KR1A0011	
		SCM010	

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS ONLY THE SAME TYPE.



- #001 VMZ1686
- #002 VMZ1686
- #003 VMZ1686
- #004 VMZ1686
- #005 VEE0202

SCM012

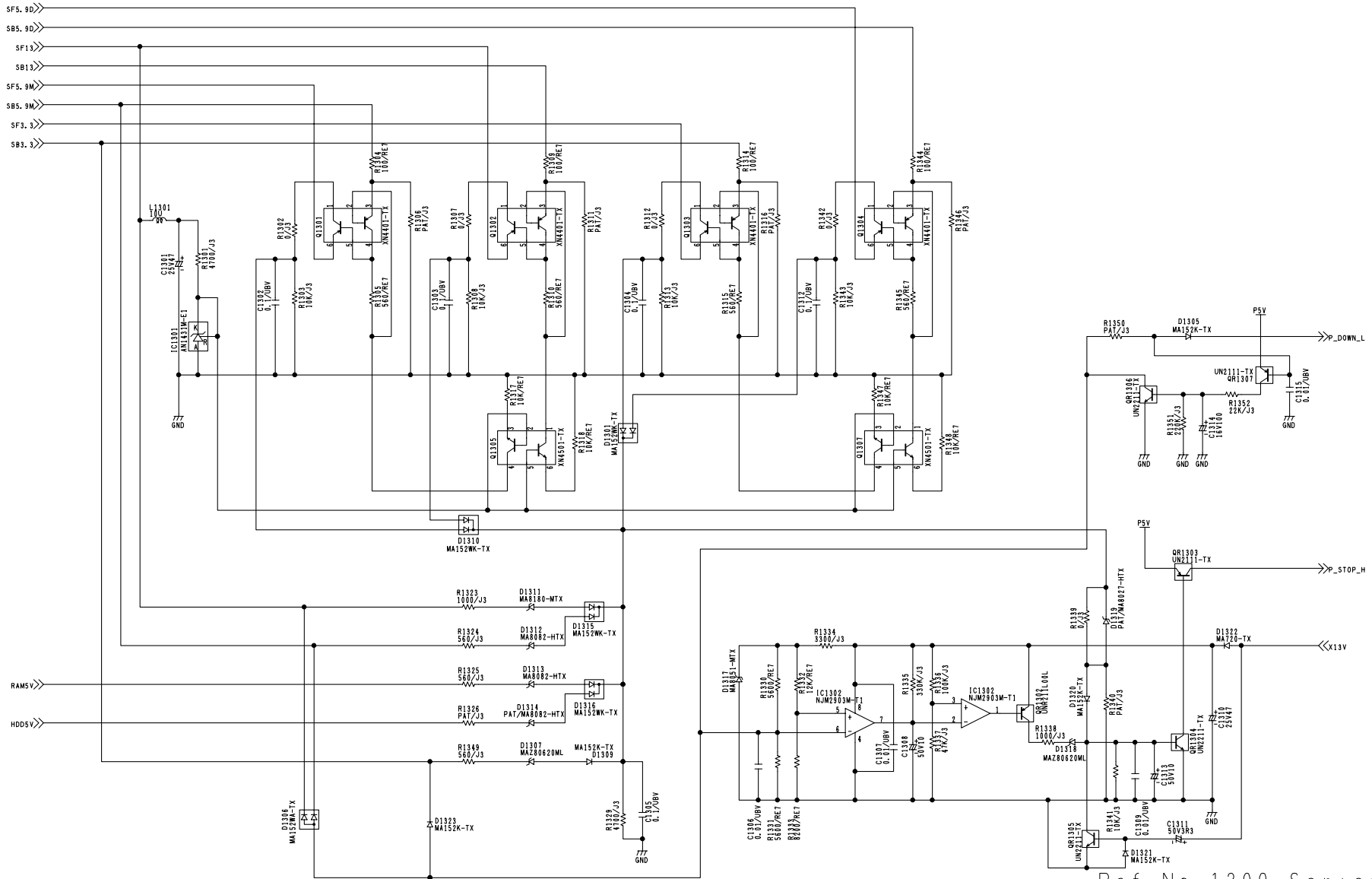


Ref. No. 1200 Series

COMPONENT NAME	POWER 3		01/02
CIRCUIT BOARD NO.		DRAWING NO.	
VEP01944A		KR1A0013 (1/2)	
		SCM012	

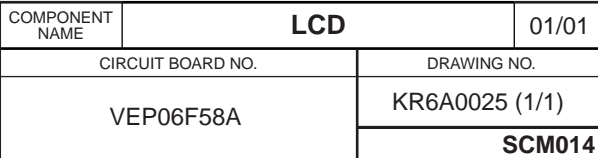
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

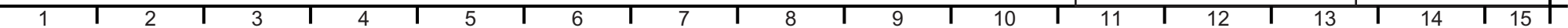
SCM013



Ref. No. 1300 Series

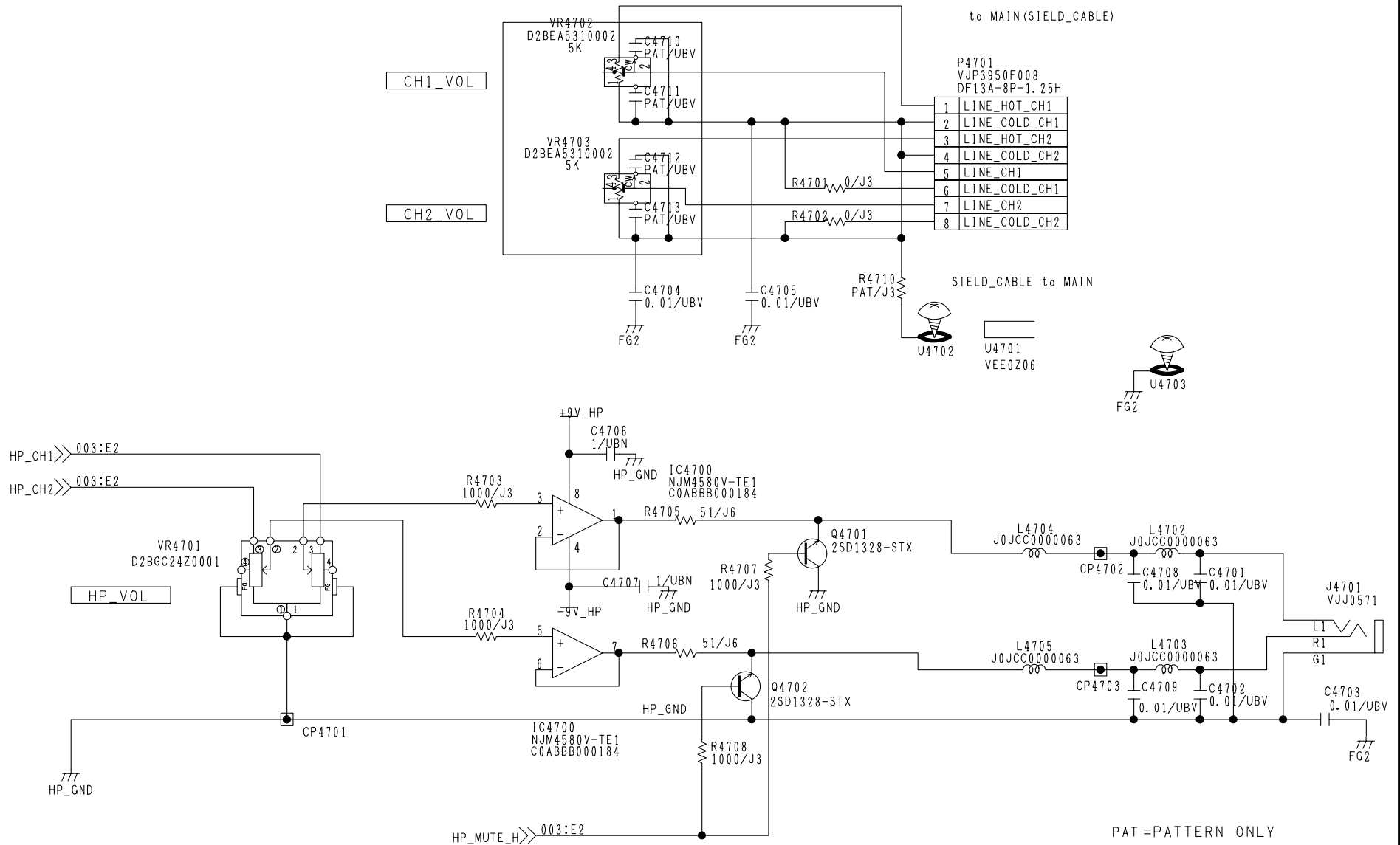
COMPONENT NAME	POWER 3	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP01944A	KR1A0013 (2/2)	
	SCM013	





A horizontal number line with tick marks at every integer from 10 to 16. The numbers 11, 12, 13, 14, and 15 are labeled below the line.

SCM016

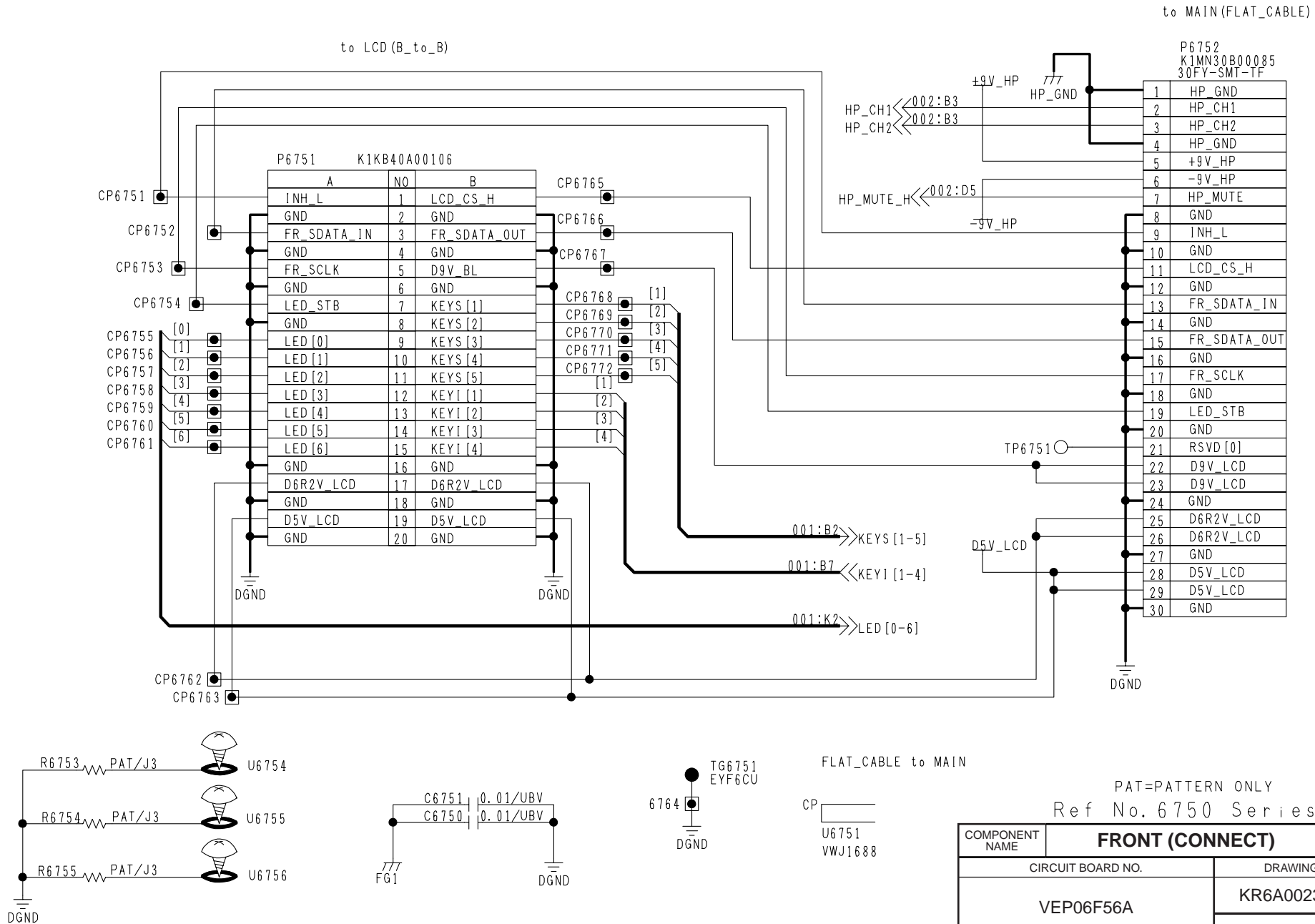


PAT= PATTERN ONLY
Ref No. 4700 Series.

COMPONENT NAME	FRONT (HEAD PHONE)	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP06F56A		KR6A0023 (2/3)
SCM016		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SCM017



A

B

C

D

E

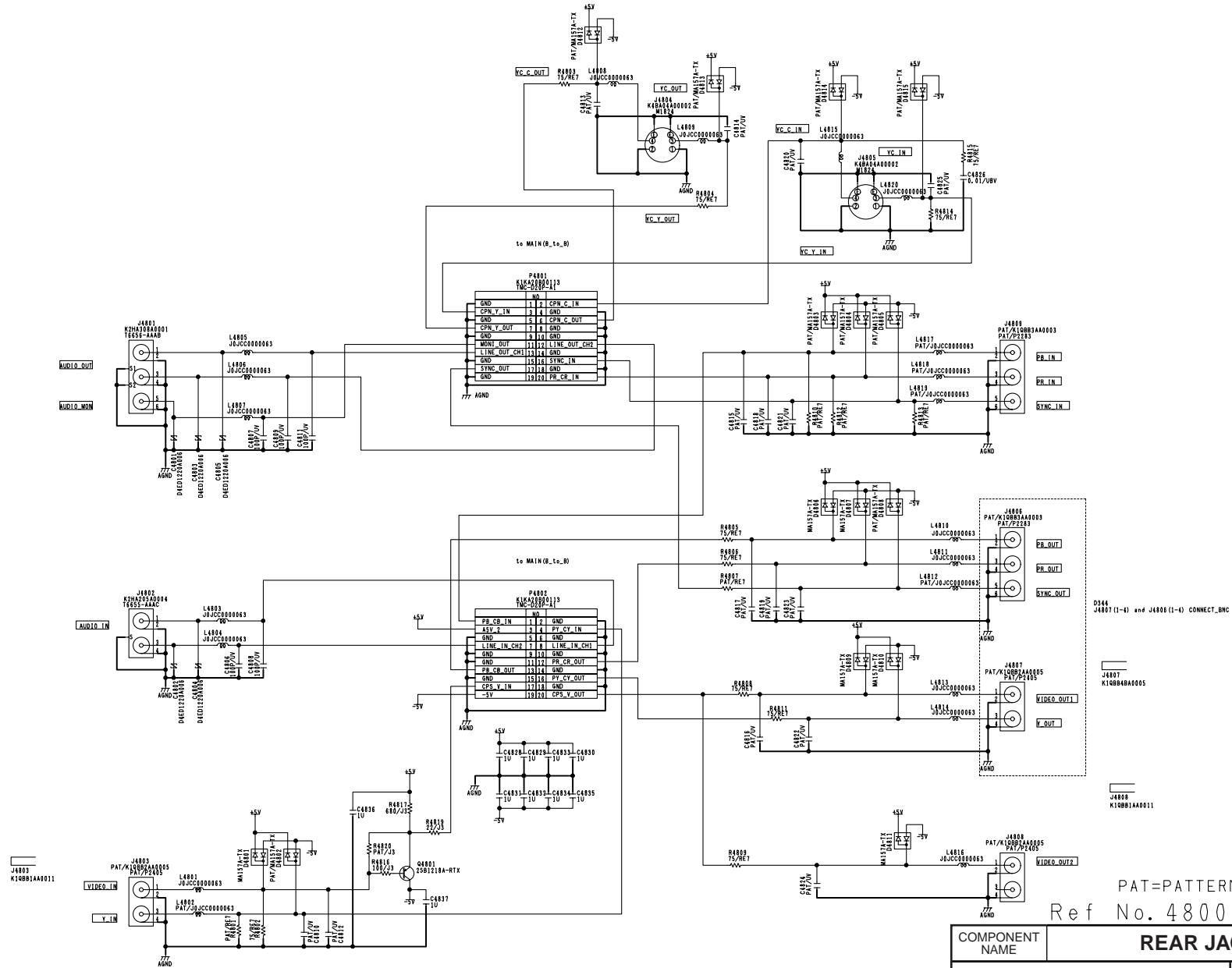
F

G

H

I

J



A

B

C

D

E

F

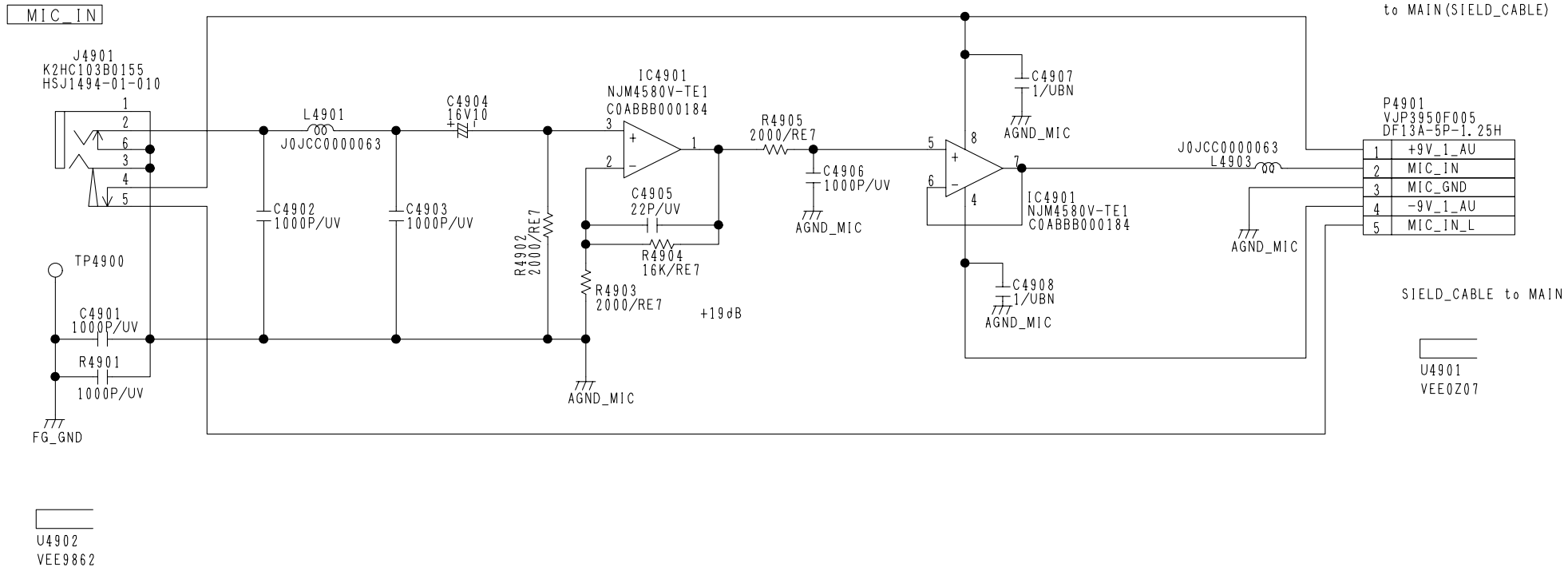
G

H

I

J

SCM019



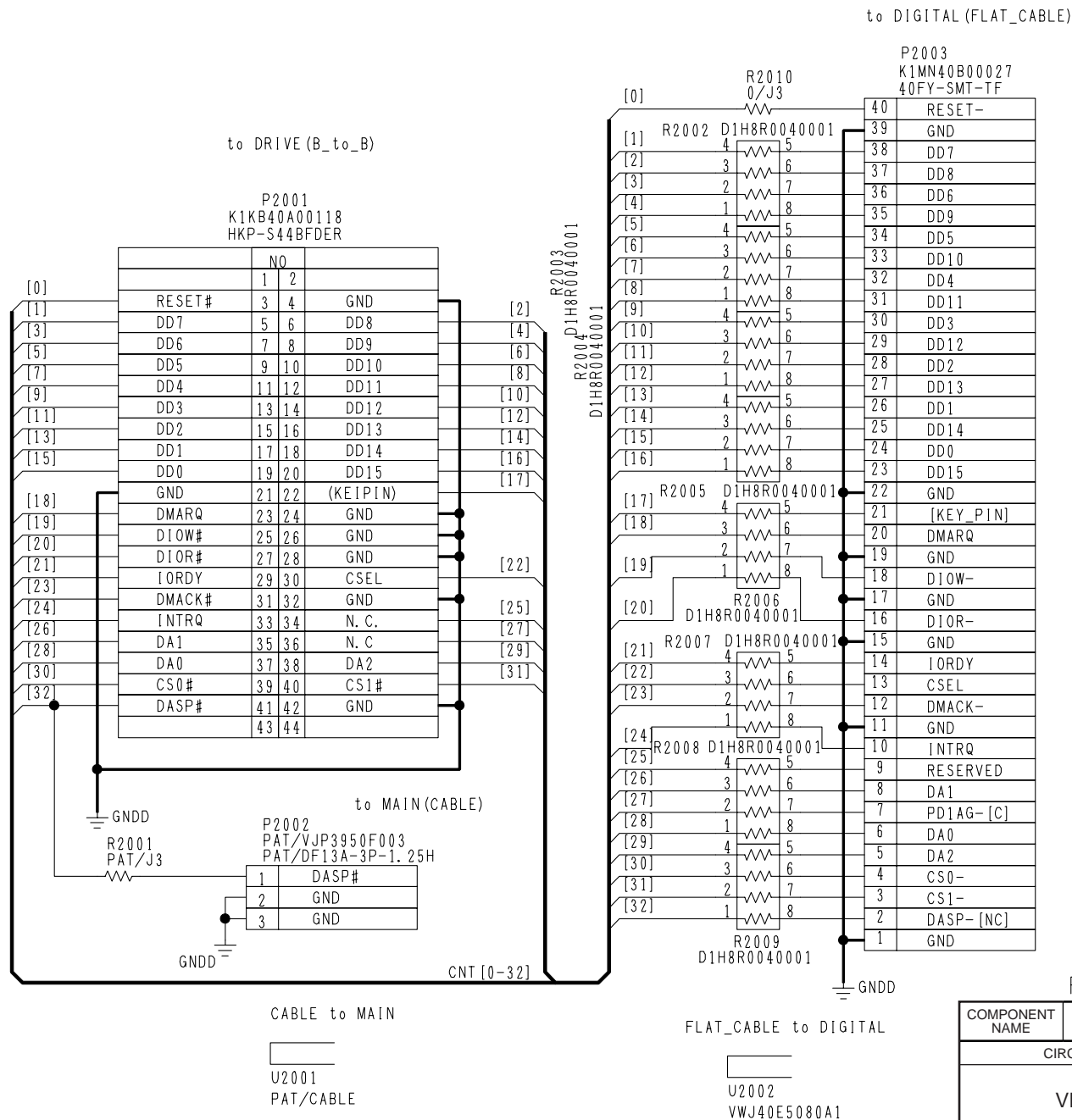
PAT=PATTERN ONLY
Ref No. 4900 Series.

COMPONENT NAME	MIC JACK		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
VEP04853A		KRA4A0011 (1/1)	
		SCM019	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J

SCM020



PAT=PATTERN ONLY
Ref No. 2000 Series.

COMPONENT NAME	DRIVE CONNECTION		01/01
	CIRCUIT BOARD NO.	DRAWING NO.	
VEP001C3A		KR0A0036 (1/1)	J
		SCM020	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SCM021

to DIGITAL (B_to_B)

to MAIN (1394_CABLE)

P3901
K1KA08B00235
IMSA-9850B-08Y900

GND	8
TPA+	7
GND	6
TPA-	5
GND	4
TPB+	3
GND	2
TPB-	1

GNDD

P3902
VJP3172D005
K1KA05B00053

5	TPA+
4	TPA-
3	GND
2	TPB+
1	TPB-

GNDD

1394 CABLE to MAIN



U3901
VEE0Z32

PAT=PATTERN ONLY
Ref No. 3900 Series.

COMPONENT NAME	DV JACK	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP001C5A		KR0A0038 (1/1)
		SCM021

A

B

C

D

E

F

G

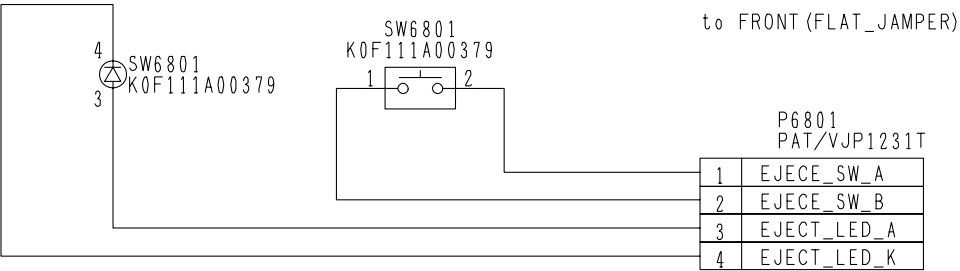
H

I

J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SCM022



FLAT_JAMPER to FRONT

U6801
VWJ04D5020AA

PAT=PATTERN ONLY
Ref No. 6800 Series.

COMPONENT NAME	EJECT	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP06F57A	KR6A0024 (1/1)	
	SCM022	

A

B

C

D

E

F

G

H

I

J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SECTION 6

EXPLODED VIEWS & REPLACEMENT PARTS LISTS


Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μ F), P= μ μ F.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
After the discontinuation of this assembly in production, it will no longer be available.

CONTENTS

CASING PARTS ASSEMBLY	PRT-1
PACKING PARTS ASSEMBLY	PRT-3
ELECTRICAL REPLACEMENT PARTS LIST	EPL-1

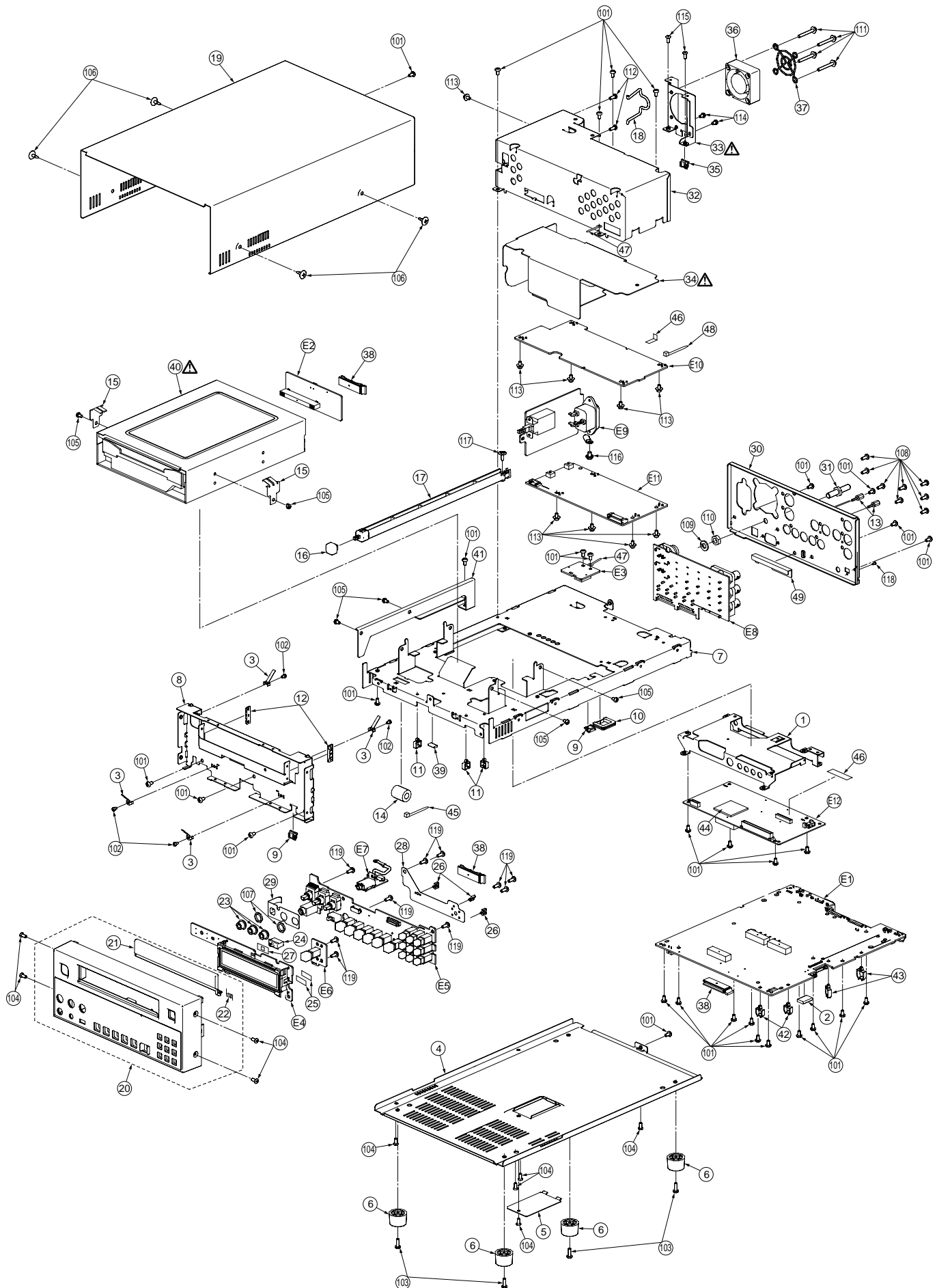
CASING PARTS ASSEMBLY

Components identified with the mark  have the special characteristics for safety. When replacing any of these components, use only the same type.


Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP7928	DIGITAL ANGLE	1		E1	VEP06F54A	MAIN C.B.A.	1	
2	VMT1548	GASKET	1		E2	VEP001C3A	DRIVE CONNECTION C.B.A.	1	
3	VMC1534	SHIELD ANGLE	4		E3	VEP001C5A	DV JACK C.B.A.	1	
4	VKU0594	BOTTOM COVER	1		E4	VEP06F58A	LCD C.B.A.	1	
5	VMP7953	BATTERY COVER	1		E5	VEP06F56A	FRONT C.B.A.	1	
6	VKA0117	PLASTIC FOOT	4		E6	VEP06F57A	EJECT C.B.A.	1	
7	VMP7872	CHASSIS	1		E7	VEP04853A	MIC JACK C.B.A.	1	
8	VMP7927	FRONT CHASSIS	1		E8	VEP04852A	REAR JACK C.B.A.	1	
9	VJF1007	EDGE SADDLE	2		E9	VEP01942A	POWER 1 C.B.A.	1	
10	VJF1259	EDGE HOLDER	1		E10	VEP01943A	POWER 2 C.B.A.	1	
11	VJF0456	BINDER	3		E11	VEP01944A	POWER 3 C.B.A.	1	
12	VSC5459	FRONT EARTH ANGLE	2		E12	VVRDDKK002P	DIGITAL C.B.A.	1	FOR LQ-MD800P
13	VMS6553	D SUB SCREW	2		E12	VVRDDKK002E	DIGITAL C.B.A.	1	FOR LQ-MD800E
14	VLP0120	FERRITE CORE	1						
15	VSC5566	DRIVE EARTH ANGLE	2						
16	QGU1040AA	POWER SWITCH BUTTON	1						
17	VML3838	POWER ROD	1						
18	VML2903	AC CORD HOOK	1						
19	VGM2071	FRAME	1						
20	VYP8885	FRONT PANEL U	1						
21	VKF3409	SHUTTER	1						
22	VMB3393	SHUTTER SPRING	1						
23	VGU6509	VOLUME KNOB	3						
24	VGU5582	SWITCH KNOB	1						
25	VMF0566	TAPE B	2						
26	VJF1273	CLAMPER	3						
27	VGF0687	SLIDE SW SHEET	1						
28	VMZ3446	FFC PROTECTOR	1						
29	VSC5601	VR EARTH	1						
30	VJH1241	JACK PLATE	1						
31	VJP3680	DIN PLUG	1						
32	VSC5560	POWER CASE	1						
 33	VMP7874	POWER FAN ANGLE	1						
 34	VMZ3408	INSULATION BARRIER	1						
35	VJF1007	EDGE SADDLE	1						
36	VRF0202	FAN MOTOR	1	L6FAHCBH0003					
37	VGF0527	FAN GUARD	1						
38	VJF1058	CABLE CLAMPER	3						
39	VMT1549	GASKET	1						
 40	RD-DKL002-M	DRIVE U PACKAGE	1						
41	VMP8051	SUPPORT ANGLE	1						
42	VJF0442	MINI CLAMPER	2						
43	VJF0882	MINI CLAMPER	2						
44	VMZ3433	HEAT SINK	1						
45	VJF1157	HARNESS	1						
46	VMF0565	TAPE A	2						
47	VJF1443	CLAMPER	2						
48	VJF1158	CLAMPER	1						
49	VMP8098	BTB ANGLE	1						
50	VUVZT0256-12	TAPE	1						
101	XTB3+6F	SCREW	31						
102	XYN26+C4	SCREW	4						
103	XTB3+10FFZ	SCREW	4						
104	VHD1639FN	SCREW	9						
105	XYN3+C5	SCREW	6						
106	SNE2129	SCREW	4						
107	XNS9	NUT	2						
108	XTB3+8GFZ	SCREW	8						
109	XNG6C	NUT	1						
110	XWA6B	WASHER	1						
111	XYN3+F25FZ	SCREW	4						
112	XYN3+C8FZS	SCREW	2						
113	XYN3+F8	SCREW	9						
114	XYN3+C5	SCREW	2						
115	VHD1639FN	SCREW	2						
116	XYN4+E6VW	SCREW	1						
117	VHD0304	SCREW	1						
118	XQN16+C4FZ	SCREW	1						
119	XTB3+8G	SCREW	10						






CASING PARTS ASSEMBLY

Components identified with the mark \triangle have the special characteristics for safety. When replacing any of these components, use only the same type.

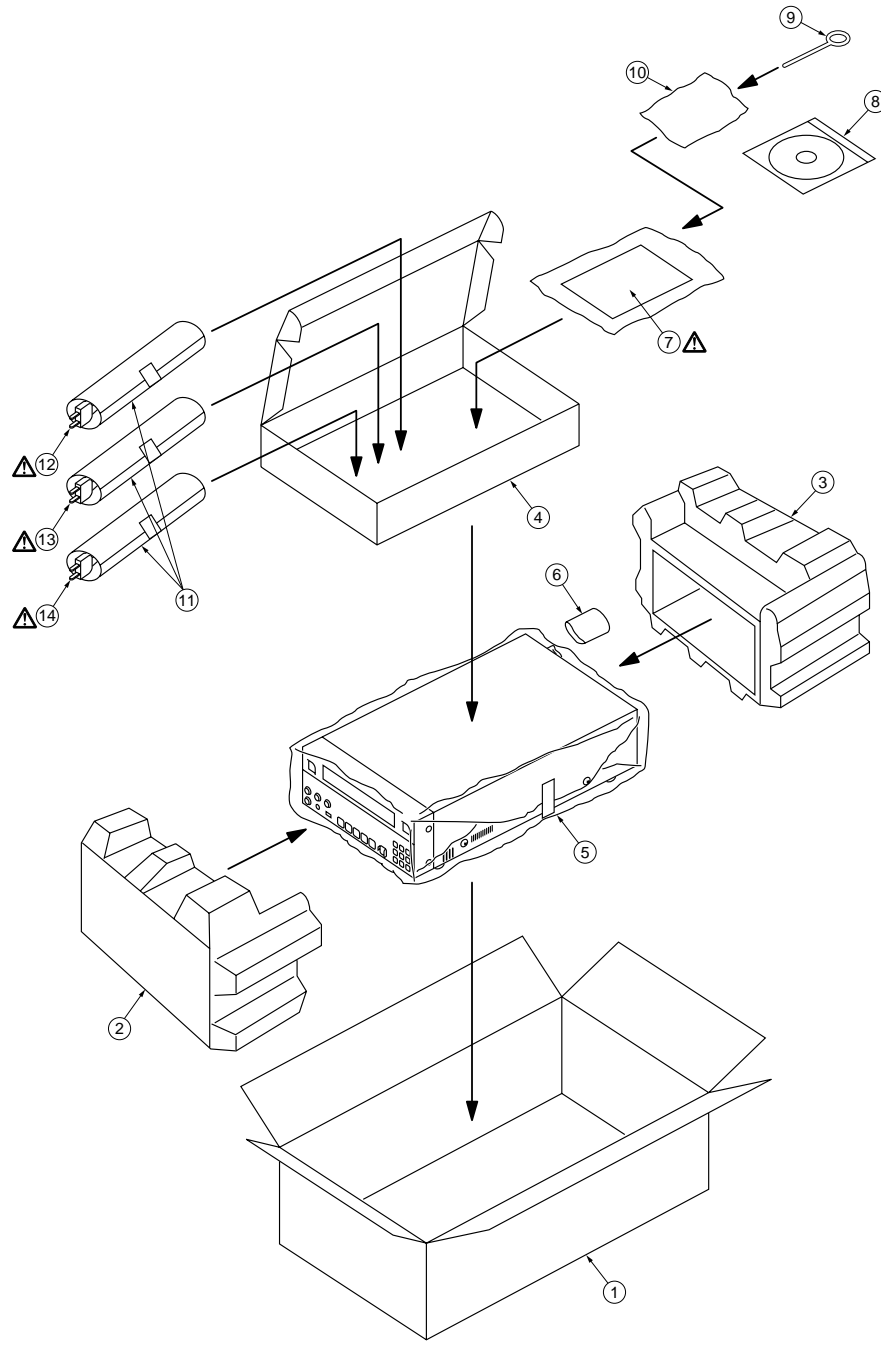


PACKING PARTS ASSEMBLY















Components identified with the mark  have the special characteristics for safety. When replacing any of these components, use only the same type.


Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG0W60	PACKING CASE	1	FOR LQ-MD800P					
1	VPG0W61	PACKING CASE	1	FOR LQ-MD800E					
2	VPN6127	CUSHION (F)	1						
3	VPN6128	CUSHION (B)	1						
4	VPN6129	ACCESSORY BOX	1						
5	VPF0884	POLYETHYLENE BAG	1						
6	VPF0892	POLYETHYLENE BAG (2)	1						
 7	VQTOH38	OPERATING INSTRUCTIONS	1						
 8	VYQ3155	OPERATING INSTRUCTIONS	1	(CD-ROM)					
9	JZS0484	EJECT PIN	1						
10	VPF1016	POLYETHYLENE BAG	1						
11	VPF0136	CORD SHEET	1						
 12	VJA0796	POWER CODE	1	FOR LQ-MD800P					
 13	VJA0738	POWER CODE	1	FOR LQ-MD800E					
 14	VJA0746	POWER CODE	1	FOR LQ-MD800E					

PACKING PARTS ASSEMBLY



ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
 E1	VEP06F54A	MAIN P.C.BOARD	1	(RTL)	C3046	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
 E2	VEP001C3A	DRIVE CONNECTION P.C.B.	1	(RTL)	C3048-50	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
 E3	VEP001C5A	DV JACK P.C.BOARD	1	(RTL)	C3052-54	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
 E4	VEP06F58A	LCD P.C.BOARD	1	(RTL)	C3056	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E5	VEP06F56A	FRONT P.C.BOARD	1	(RTL)	C3058,59	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
 E6	VEP06F57A	EJECT P.C.BOARD	1	(RTL)	C3062	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
 E7	VEP04853A	MIC JACK P.C.BOARD	1	(RTL)	C3067	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
 E8	VEP04852A	REAR JACK P.C.BOARD	1	(RTL)	C3068	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
 E9	VEP01942A	POWER 1 P.C.BOARD	1	(RTL)	C3069,70	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
 E10	VEP01943A	POWER 2 P.C.BOARD	1	(RTL)	C3072	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E11	VEP01944A	POWER 3 P.C.BOARD	1	(RTL)	C3074	ECJ1VB1C473K	C.CAPACITOR CH 16V 0.047U	1	
 E12	VVRDDK002P	DIGITAL P.C.BOARD	1	(RTL)FOR LQ-MD800P	C3075	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E12	VVRDDK002E	DIGITAL P.C.BOARD	1	(RTL)FOR LQ-MD800E	C3077	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3078	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
					C3080	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
					C3084	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
					C3090	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
					C3092	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
					C3093	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3094	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
					C3095,96	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
					C3101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C4001,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
					C4003-05	EEHPC100R	E.CAPACITOR 16V 10U	3	
					C4006	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
					C4007	EEHPC100R	E.CAPACITOR 16V 10U	1	
					C4008	EEHB1C220R	E.CAPACITOR 16V 22U	1	
					C4009	EEHB1C100	E.CAPACITOR 16V 10U	1	
					C4010-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C4013	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
					C4014	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C4015	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
					C4016	EEHB1E220P	E.CAPACITOR 25V 22U	1	
					C4017	EEHB1C220R	E.CAPACITOR 16V 22U	1	
					C4018	FI1H1H04A783	C.CAPACITOR CH 50V 0.1U	1	
					C4019-21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C4022,23	EEHB1C100	E.CAPACITOR 16V 10U	2	
					C4024,25	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
					C4026,27	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
 E1	VEP06F54A	MAIN P.C.BOARD	1	(RTL)	C4028-30	EEHB1C100	E.CAPACITOR 16V 10U	3	
					C4031	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C4032	EEHB1C100	E.CAPACITOR 16V 10U	1	
B6651	BCR20H4	BUTTON BATTERY HOLDER	1		C4033	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
BZ6651	VSQ0813	BUZZER	1	L0DCDA000001	C4201-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C4204,05	EEHB1C100	E.CAPACITOR 16V 10U	2	
					C4206	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3001	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1		C4207,08	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	2	
C3002,03	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2		C4209,10	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C3004	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C4215,16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3005	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1		C4223	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3006,07	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2		C4224	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3008	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1		C4225,26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3009	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1		C4227	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3010	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1		C4228	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3011,12	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2		C4229-31	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	3	
C3014	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1		C4232,33	EEHPIA330P	E.CAPACITOR 10V 33U	2	
C3015-18	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	4		C4234	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3019	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1		C4235,36	EEHPC100R	E.CAPACITOR 16V 10U	2	
C3020	EEHBOJ470	E.CAPACITOR 6.3V 47U	1		C4237,38	EEHPIH1R0R	E.CAPACITOR 50V 1U	2	
C3021,22	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		C4239	EEHPIA330P	E.CAPACITOR 10V 33U	1	
C3023,24	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	2		C6001-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3025	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C6006	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3026	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1		C6009	EEHB1E220P	E.CAPACITOR 25V 22U	1	
C3027	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C6010	FI1H1H04A783	C.CAPACITOR CH 50V 0.1U	1	
C3029	ECJ1VC1H470J	C.CAPACITOR CH 50V 47P	1		C6011	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3030-32	EEHBOJ470	E.CAPACITOR 6.3V 47U	3		C6015	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
C3033	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1		C6016	EEHB1C220R	E.CAPACITOR 16V 22U	1	
C3035	EEHBOJ102UP	E.CAPACITOR 6.3V 1000U	1		C6020	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3036	EEHBOJ101	E.CAPACITOR 6.3V 100U	1		C6021	FI1H1H04A783	C.CAPACITOR CH 50V 0.1U	1	
C3038	EEHBOJ102UP	E.CAPACITOR 6.3V 1000U	1		C6025	EEHB1C220R	E.CAPACITOR 16V 22U	1	
C3039	EEHBOJ101	E.CAPACITOR 6.3V 100U	1		C6026,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3041	EEHBOJ102UP	E.CAPACITOR 6.3V 1000U	1		C6031	EEHB1C220R	E.CAPACITOR 16V 22U	1	
C3042	EEHBOJ101	E.CAPACITOR 6.3V 100U	1		C6032-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3043,44	EEHBOJ331P	E.CAPACITOR 6.3V 330U	2		C6035	EEHB1C220R	E.CAPACITOR 16V 22U	1	
C3045	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C6201	EEFCD1C8R2R	E.CAPACITOR 16V 8.2U	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6202	F2H1D470A004	E. CAPACITOR 20V 47U	1		C6340-43	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	4	
C6203	EEFCD0J470R	E. CAPACITOR 6.3V 47U	1		C6344	ECUX1C106KBP	C. CAPACITOR CH 16V 10U	1	
C6205	EEFCD0J470R	E. CAPACITOR 6.3V 47U	1		C6345,46	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6208	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6347	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C6209	EEHHC1C220R	E. CAPACITOR 16V 22U	1		C6352	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1	
C6210	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C6353,54	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6211	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6360	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6212	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6361	EEHHC0J101	E. CAPACITOR 6.3V 100U	1	
C6214	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C6363,64	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	2	
C6218	EEHHC0J101	E. CAPACITOR 6.3V 100U	1		C6365	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6219	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C6601,02	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6223	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6603	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1	
C6224	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6605,06	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6225,26	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	2		C6607	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1	
C6227	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6610	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6228	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6612	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1	
C6230	EEHHC0J101	E. CAPACITOR 6.3V 100U	1		C6614	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6231	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6615	EEHHC0J470	E. CAPACITOR 6.3V 47U	1	
C6234	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6616	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1	
C6235	EEHHC1C220R	E. CAPACITOR 16V 22U	1		C6651,52	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6237	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6653	EEHHC0J101	E. CAPACITOR 6.3V 100U	1	
C6243	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6654	EEHHC0J470	E. CAPACITOR 6.3V 47U	1	
C6244	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6655-57	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	3	
C6245	EEHHC0J101	E. CAPACITOR 6.3V 100U	1						
C6247	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		D3001	MA142K	DIODE	1	
C6248	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		D4001	MA142WA	DIODE	1	
C6249	EEHHC1C220R	E. CAPACITOR 16V 22U	1		D4002	MA716	DIODE	1	
C6250,51	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	2		D4202,03	MA716	DIODE	2	
C6252	F2H1D470A004	E. CAPACITOR CH 20V 47U	1		D4204-06	MA142WA	DIODE	3	
C6253	F2H1C8200001	E. CAPACITOR CH 16V 82U	1		D6010	MA8039-L	DIODE	1	
C6254-56	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	3		D6011	MA716	DIODE	1	
C6257	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		D6201-03	SFPB-76V	DIODE	3	
C6258,59	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2		D6204	MA142WA	DIODE	1	
C6260	FIH1C104A042	C. CAPACITOR CH 16V 0.1U	1		D6270	MA720	DIODE	1	
C6261	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		D6271	SFPB-76V	DIODE	1	
C6262	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		D6301	MA716	DIODE	1	
C6264	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		D6651	MA704WK	DIODE	1	
C6265	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		D6652,53	MA142K	DIODE	2	
C6266	EEHHC1C220R	E. CAPACITOR 16V 22U	1						
C6267	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		IC3001	C92B00000377	VIDEO BUFFER	1	
C6268	EEHHC1C220R	E. CAPACITOR 16V 22U	1		IC3002	CIAB00001805	IC	1	
C6270	FIK1E1050001	C. CAPACITOR CH 25V 1U	1		IC4001	NJM78L09UA	IC	1	C0CBAHC00002
C6271,72	FIH1H104A783	C. CAPACITOR CH 50V 0.1U	2		IC4002	THC4052FT	IC	1	
C6273	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		IC4003	NJM79L09UA	IC	1	C0CABBFB00001
C6274	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1		IC4004	COABBB000184	IC	1	
C6275	ECUM1E224KBN	C. CAPACITOR CH 25V 0.22U	1		IC4005	C0CBBD000004	IC	1	
C6276	ECUX1C105KBN	C. CAPACITOR CH 10V 1U	1		IC4006,07	COABBB000184	IC	2	
C6277	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1		IC4008	C0CBBD000004	IC	1	
C6278	F2H1D470A004	E. CAPACITOR CH 20V 47U	1		IC4009,10	COABBB000184	IC	2	
C6279	F2H0J2210003	E. CAPACITOR CH6.3V 220U	1		IC4201,02	COABBB000184	IC	2	
C6280	EEFCD0J470R	E. CAPACITOR 6.3V 47U	1		IC4203	C0JBAS0000075	IC	1	
C6281	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	1		IC4205-07	COABBB000184	IC	3	
C6301,02	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2		IC4209	C0JBAS0000075	IC	1	
C6303	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	1		IC4210	COABBB000184	IC	1	
C6304-06	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	3		IC6002	NJM431U	IC	1	C0DBEZC00003
C6308	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		IC6003	COJBAN000108	IC	1	
C6310	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	1		IC6005,06	TVHT374FT	IC	2	
C6311	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1		IC6009	COABBA0000071	IC	1	
C6312	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6010	COJBAB000135	IC	1	
C6313	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1		IC6011	COABBA0000071	IC	1	
C6316,17	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	2		IC6012	NJM78L09UA	IC	1	C0CBAHC00002
C6318	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1		IC6013	NJM79L09UA	IC	1	C0CABBFB00001
C6319	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6201	C0DBZHE00014	IC	1	
C6320	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1		IC6202	C0DBZFG00002	IC	1	
C6321	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1		IC6203	C0DBZHE00014	IC	1	
C6322-24	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	3		IC6205	C0DBZFG00012	IC	1	
C6326-29	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	4		IC6206	C0DBZHG00012	IC	1	
C6330	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6207	C0DBZGG00010	IC	1	
C6331	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		IC6208	C0DBZHE00014	IC	1	
C6332	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6209	C0DBAZF00003	IC	1	
C6334	ECJ1VC1H220J	C. CAPACITOR CH 50V 22P	1		IC6210	C0DBZGG00010	IC	1	
C6335	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6211	C0DBZHE00014	IC	1	
C6336	ECJ1VC1H220J	C. CAPACITOR CH 50V 22P	1		IC6270	C0DBAGH00030	IC	1	
C6337	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6301	C0EBE0000233	IC	1	
C6339	ECUX1C106KBP	C. CAPACITOR CH 16V 10U	1		IC6302	C0ZBZ0000837	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6303	C0EBF0000182	IC	1		Q3006	2SB1218A-R	TRANSISTOR	1	
IC6313	C0JBAB000553	IC	1		Q3007,08	2SD1819A-R	TRANSISTOR	2	
IC6315	C0JBAB000282	IC	1		Q4001-03	2SD1819A-R	TRANSISTOR	3	
IC6316	C3ZBF0000011	IC	1		Q4201	2SB1218A-R	TRANSISTOR	1	
IC6317	TC7S2126FU	IC	1		Q4202-06	2SD1328-S	TRANSISTOR	5	
IC6320	C0EBE00000130	IC	1		Q6201	B1DHED000008	TRANSISTOR	1	
IC6601	C0JBAB0001121	IC	1		Q6270,71	B1DFFD000006	FET	2	
IC6603-05	TVHT541FT	IC	3		Q6651-53	2SD1819A-R	TRANSISTOR	3	
IC6606	C0DBZHE000014	IC	1						
IC6611	TC7S2126FU	IC	1		QR3001-05	UNR521300L	TRANSISTOR	5	
IC6651	C0BBBA0000030	IC	1		QR3006,07	UNR521100L	TRANSISTOR	2	
					QR3008	UNR521300L	TRANSISTOR	1	
ID6309	VVVS14199C	SOFTWARE	1	DOWNLOAD ONLY	QR3009	UNR521100L	TRANSISTOR	1	
					QR4001-03	UNR521100L	TRANSISTOR	3	
IP6309	C2CBJH000056	IC	1		QR4201-06	UNR521100L	TRANSISTOR	6	
					QR6010	UNR521100L	TRANSISTOR	1	
J6201,02	K4CD01000007	CABLE TERMINAL	2		QR6202-06	UNR521100L	TRANSISTOR	5	
J6203	VJR1008	CABLE TERMINAL	1		QR6301	UNR521400L	TRANSISTOR-RESISTOR	1	
J6204,05	K4CD01000007	CABLE TERMINAL	2		QR6302,03	UNR511200L	TRANSISTOR	2	
J6207	K2HZ104B0006	JACK	1		QR6601	UNR521400L	TRANSISTOR-RESISTOR	1	
J6208-11	K4CD01000007	CABLE TERMINAL	4		QR6602	UNR511400L	TRANSISTOR-RESISTOR	1	
J6301	VJJ0526	JACK	1	#2HC103B0047	QR6651	UN5212	TRANSISTOR-RESISTOR	1	
J6302	K1FA104B0011	CONNECTOR (MALE)	1		QR6652	UNR511200L	TRANSISTOR	1	
L3001	VLQ0163J120	COIL 12UH	1	G1C120J00001	R3001-05	ERJ3RBD561	M.RESISTOR CH 1/16W 560	5	
L3002,03	VLQ0163J6R8	COIL 6.8UH	2	G1C6R8J00007	R3006	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L3004	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004	R3007	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L3005	VLQ0163J120	COIL 12UH	1	G1C120J00001	R3008,09	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
L3006	VLQ0163J220	COIL 22UH	1		R3011-13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
L3007-10	VLQ0163J120	COIL 12UH	4	G1C120J00001	R3014	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
L3011	VLQ0163J220	COIL 22UH	1		R3015-17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
L3012,13	VLQ0163J4R7	COIL 4.7UH	2	G1C4R7J00004	R3018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L3014,15	J0JHC0000032	FILTER	2		R3019	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
L3016-18	VLQ0163J4R7	COIL 4.7UH	3	G1C4R7J00004	R3020,21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
L3019,20	J0JHC0000032	FILTER	2		R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
L4001,02	J0JHC0000032	FILTER	2		R3023,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
L4003	J0JCC0000063	FILTER	1		R3025,26	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L4005,06	J0JCC0000063	FILTER	2		R3027,28	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
L4008	J0JCC0000063	FILTER	1		R3029,30	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L4010	J0JCC0000063	FILTER	1		R3031,32	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
L4011	J0MAB0000155	FILTER	1		R3033,34	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L4012,13	J0JHC0000032	FILTER	2		R3035,36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
L6002,03	J0JHC0000032	FILTER	2		R3037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
L6004,05	J0JCC0000063	FILTER	2		R3038,39	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L6014	J0JHC0000032	FILTER	1		R3041	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6015-17	J0JCC0000063	FILTER	3		R3043	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6201-04	VLP0183	COIL	4	J0JKC0000007	R3048	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6206,07	J0JHC0000032	FILTER	2		R3052	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
L6209	G1A330F00004	COIL 33UH	1		R3053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6210	G1A680E00002	COIL 68UH	1		R3054	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6211	G1A330F00004	COIL 33UH	1		R3056	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6212,13	J0JHC0000032	FILTER	2		R3057	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6270	J0JBC0000023	FILTER	1		R3061,62	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L6271	G1A4R7H00002	COIL 4.7UH	1		R3081	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6272	J0JKC0000009	FILTER	1		R3082	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6273	VLQ0859M220	COIL 22UH	1		R3083	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6274	G1A4R7H00002	COIL 4.7UH	1		R3087	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6301	J0JHC0000032	FILTER	1		R3088,89	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
L6302	J0MAB0000140	FILTER	1		R3094	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
L6303	J0JHC0000032	FILTER	1		R3096	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6305-08	J0JHC0000032	FILTER	4		R3098	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
					R3099	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
P4001	K1KA05A00235	CONNECTOR (MALE)	1		R4001	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
P4002	K1KA08A00301	CONNECTOR (MALE)	1		R4003,04	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	2	
P6003	VJS3791B030	CONNECTOR (FEMALE)	1		R4005	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
P6201,02	K1KB20B00033	CONNECTOR (FEMALE)	2		R4006	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
P6203	VJF3926B022	CONNECTOR (MALE)	1		R4008	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
P6204-06	K1KA30A00204	CONNECTOR (MALE)	3		R4009,10	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	2	
P6208	VJF3172D005	CONNECTOR (MALE)	1	K1KA05B00053	R4013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
P6301	VJS3365B009	CONNECTOR (FEMALE)	1	K1FB209B0009	R4015	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
P6302,03	VJF3950A006	CONNECTOR (MALE)	2		R4016,17	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
					R4019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
Q3001	2SC3930	TRANSISTOR	1		R4021,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
Q3002-04	2SB1218A-R	TRANSISTOR	3		R4023	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
Q3005	2SA1532-B	TRANSISTOR	1		R4025	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

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
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4026	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6225	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4027	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1		R6226	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4029	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R6229,30	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4030	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1		R6231	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R4032,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6232	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4034,35	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	2		R6233	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4036,37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6270-72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4038,39	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2		R6273	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4040,41	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2		R6274	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4042,43	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R6275	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4044,45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6276	VRE0202H15M	M.RESISTOR CH	100K	1
R4046	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1		R6278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2		R6279	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4049,50	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	2		R6281,82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002	R6301	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R4204-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4		R6304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4208	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R6305	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6307	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4211,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6311	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4213,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6312	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4215,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6314	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4217,18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2		R6318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R6321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4221,22	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	2		R6322,23	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	2	
R4223-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	6		R6324	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4229	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R6325,26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4230-34	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	5		R6327	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4235,36	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	2		R6328-30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4237,38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6331	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4239	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1		R6332-34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4240,41	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		R6335	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4242,43	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6336	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4244-46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3		R6337	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4247,48	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2		R6338	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4249	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1		R6339,40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB10










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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6406,07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		U2002	VWJ40E5080A1	FLEX. CABLE	1	
R6408	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6410,11	ERJ3GEVJ223	M.RESISTOR CH 1/16W 22K	2						
R6412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6413-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002					
R6416,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2						
R6418	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R6419	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		■ E3	VEP001C5A	DV JACK P.C.BOARD	1	(RTL)
R6420	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1						
R6421	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R6423	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1		P3901	K1KA08B00235	CONNECTOR (MALE)	1	
R6424	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		P3902	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
R6601	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1						
R6602	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		U3901	VEE0232	DV CABLE	1	
R6603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1						
R6604	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1						
R6605	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1						
R6606	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R6607	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1						
R6609	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		■ E4	VEP06F58A	LCD P.C.BOARD	1	(RTL)
R6610	D1H84704A008	COMBI.R-R	47	1					
R6611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6612	D1H84704A008	COMBI.R-R	47	1					
R6613-15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3		C6501-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
R6616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6505	ECUX1A105KEV	C.CAPACITOR CH 10V 1U	1	
R6618-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5		C6506	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R6623	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6508	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
R6627	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6510	ECUX1A105KEV	C.CAPACITOR CH 10V 1U	1	
R6637	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6514,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
R6638	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C6516	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
R6639	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		C6517-20	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
R6640	D1H84704A008	COMBI.R-R	47	1					
R6643	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		D6504	B3ACB0000013	LED	1	
R6644	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		D6505,06	LN1351C	DIODE	2	
R6645	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1						
R6646	ERJ8GEYJ331	M.RESISTOR CH 1/8W 330	1		DP6501	L5ACAKC00002	LCD PANEL	1	
R6648	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6649	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		IC6501,02	C0JBAQ000168	IC	2	
R6651	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		IC6503	C0HBA0000152	LCD DRIVER	1	
R6652	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1						
R6653-55	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	3		JP6501,02	K4ZZ01000199	TERMINAL	2	
R6656	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1						
R6657,58	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	2		L6501-03	J0JCC0000063	FILTER	3	
R6660	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1						
R6661	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1		P6501	K1KB40A00013	CONNECTOR (FEMALE)	1	
R6662,63	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2		P6502	VJP3950F003	CONNECTOR	1	
R6664	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1						
R6665	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	QR6501-07	UNR521400L	TRANSISTOR-RESISTOR	7	
R6666	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		QR6511-13	UNR521400L	TRANSISTOR-RESISTOR	3	
R6667	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1						
					R6501-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
SW6302	VSS0367-06B	SWITCH	1	K0D161A00001	R6513	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
					R6515	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
TG3001	EYF6CU	TEST POINT	1		R6517-26	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
TG4001	EYF6CU	TEST POINT	1		R6530	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG6201-05	EYF6CU	TEST POINT	5		R6531	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
					R6535-37	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	3	
U6301	VEE0227	CABLE 1	1		R6538,39	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
U6651	CR2032	BATTERY	1		R6540	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
X6301	H0J160500045	CRYSTAL OSCILLATOR	1		TG6501	EYF6CU	TEST POINT	1	
X6302	H1Z3272B0006	CRYSTAL OSCILLATOR	1						
							MISCELLANEOUS		
						VJF1487	LCD HOLDER R	1	
						VJF1488	LCD HOLDER L	1	
						A4LZFC000003	BACK LIGHT	1	
■ E2	VEP001C3A	DRIVE CONNECTION P.C.B.	1	(RTL)					
P2001	K1KB40A00118	CONNECTOR (FEMALE)	1		■ E5	VEP06F56A	FRONT P.C.BOARD	1	(RTL)
P2003	K1MN40B00027	CONNECTOR	1						
R2002-09	D1H8R0040001	COMBI.R-R	0	8					
R2010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C4701-05	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	5	

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C4706,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		R4901	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4708,09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		R4902,03	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	2	
C6750,51	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		R4904	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
D6701-17	MA142K	DIODE	17		R4905	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
IC4700	C0ABB000184	IC	1		U4901	VEE0Z07	POWER CABLE U	1	
J4701	VJJ0571	JACK	1		U4902	VEE9862	EARTH CABLE	1	
L4702-05	J0JCC0000063	FILTER	4				MISCELLANEOUS		
P4701	VJP3950F008	CONNECTOR (MALE)	1			VMP7875	MIC ANGLE	1	
P6751	K1KB40A00106	CONNECTOR (FEMALE)	1						
P6752	K1MN30B00085	CONNECTOR	1						
Q4701,02	2SD1328-S	TRANSISTOR	2						
R4701,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		■ E8	VEP04852A	REAR JACK P.C.BOARD	1 (RTL)	
R4703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2						
R4705,06	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2		C4801-05	D4ED1220A006	VARISTOR	5	
R4707,08	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2		C4806-09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
R6701-07	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	7		C4811	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
SW6701,02	VSP0864A000	SWITCH	2	K0F111A00243	C4826	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
SW6703,04	VSP0853A000	SWITCH	2	K0F111A00235	C4828-37	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	10	
SW6705	K0F111A00464	SWITCH	1		D4801	MA157A	DIODE	1	
SW6706	VSP0864A000	SWITCH	1	K0F111A00243	D4806,07	MA157A	DIODE	2	
SW6707	VSP0864E000	SWITCH	1	K0F111A00275	D4809-11	MA157A	DIODE	3	
SW6708-10	VSP0853A000	SWITCH	3	K0F111A00235	J4801	K2HA308A0001	JACK	1	
SW6711	VSP0864A000	SWITCH	1	K0F111A00243	J4802	K2HA205A0004	JACK	1	
SW6712-14	VSP0853A000	SWITCH	3	K0F111A00235	J4803	K1QBB1AA0011	CONNECTOR (FFMALE)	1	
SW6715	VSP0864A000	SWITCH	1	K0F111A00243	J4804,05	K4BA04A00002	TERMINAL	2	
SW6716	VSS0250	SWITCH	1	K0D112A00104	J4807	YWP2284	CONNECTOR	1	
TG6751	EYP6CU	TEST POINT	1		J4808	K1QBB1AA0011	CONNECTOR (FFMALE)	1	
U4701	VEE0Z06	LINE INPUT CABLE	1		L4801	J0JCC0000063	FILTER	1	
U6751	VWJ1688	FRONT CABLE	1		L4803-11	J0JCC0000063	FILTER	9	
VR4701	D2BGC24Z0001	V.RESISTOR 20K	1		L4813-16	J0JCC0000063	FILTER	4	
VR4702,03	D2BEA5310002	V.RESISTOR 5K	2		L4820	J0JCC0000063	FILTER	1	
					P4801,02	K1KA20B00113	CONNECTOR (MALE)	2	
					Q4801	2SB1218A-R	TRANSISTOR	1	
■ E6	VEP06F57A	EJECT P.C.BOARD	1 (RTL)		R4802-06	ERJ3RED750	M.RESISTOR CH 1/16W 75	5	
SW6801	K0F111A00379	SWITCH	1		R4808,09	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
U6801	VWJ04D5020AA	FLEX. CABLE	1		R4811	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
					R4814,15	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
					R4816	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
					R4817	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
					R4819	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
■ E7	VEP04853A	MIC JACK P.C.BOARD	1 (RTL)						
C4901-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	3		■ E9	VEP01942A	POWER 1 P.C.BOARD	1 (RTL)	
C4904	EEH1B1C100	E.CAPACITOR 16V 10U	1						
C4905	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1		△ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
C4906	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1		△ F1001,02	VSF0106C25H	FUSE	2	
C4907,08	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		FH1001-04	EYF52BC	FUSE HOLDER	4	
IC4901	C0ABB000184	IC	1		△ L1001	ELF19N010A	COIL 1UH	1	
J4901	K2HC103B0155	JACK	1		L1002,03	VLP0083	COIL	2	J0JKB0000011
L4901	J0JCC0000063	FILTER	1		△ P1001	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
L4903	J0JCC0000063	FILTER	1		P1002	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
P4901	VJP3950F005	CONNECTOR (MALE)	1		△ R1001	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	

Components identified with the mark  have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
 SW1001	K0ADKP000003	POWER SWITCH	1		C1208	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	1	
U1001	VEE8828	CABLE	1		C1212	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	1	
					C1215-17	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	3	
					C1219,20	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	2	
					C1222-26	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	5	
					C1232-34	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
					C1235,36	ECA1CHG101	E.CAPACITOR 16V 100U	2	
					C1237	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E10	VEP01943A	POWER 2 P.C.BOARD	1 (RTL)		C1301	ECA1EHG470	E.CAPACITOR 25V 47U	1	
					C1302-05	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	4	
					C1306,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
 C1101,02	ECQU2A224ML	P.CAPACITOR 100V 0.22U	2		C1308	ECA1HHG100	E.CAPACITOR 50V 10U	1	
 C1103,04	VCK0262K221A	C.CAPACITOR 220P	2	F1BAH2210001	C1309	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 C1106	F1BAH331A004	C.CAPACITOR 330P	1		C1310	ECA1EHG470	E.CAPACITOR 25V 47U	1	
C1107	EETHC2W221K	E.CAPACITOR 450V 220U	1		C1311	ECA1HHG3R3	E.CAPACITOR 50V 3.3U	1	
C1108	EEUEB1H470B	E.CAPACITOR 50V 47U	1		C1312	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1109,10	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2		C1313	ECA1HHG100	E.CAPACITOR 50V 10U	1	
C1112	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1		C1314	ECA1CHG101	E.CAPACITOR 16V 100U	1	
C1114,15	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2		C1315	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1116	VCEA1A221	E.CAPACITOR 10V 220U	1	F2D1A2210001					
C1117	EEUFC1E331	E.CAPACITOR 25V 330U	1		D1203	MA152WA	DIODE	1	
C1118,19	EEUFC1A331	E.CAPACITOR 10V 330U	2		D1207,08	DE5SC4M-4061	DIODE	2	B0JDR0000001
C1121,22	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		D1212,13	DE5SC4M-4061	DIODE	2	B0JDR0000001
 C1123	F1BAH331A004	C.CAPACITOR 330P	1		D1214	SFPB-76V	DIODE	1	
C1127	EEUEB1H1R0SB	E.CAPACITOR 50V 1U	1		D1301	MA152WK	DIODE	1	
C1128,29	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2		D1305	MA152K	DIODE	1	
C1130-32	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3		D1306	MA152WA	DIODE	1	
					D1307	MA8062-M	DIODE	1	
D1101	D3SBA60	DIODE	1	B0EBNR000007	D1309	MA152K	DIODE	1	
D1102,03	B0ECKR000003	DIODE	2		D1310	MA152WK	DIODE	1	
D1104	SFPL-52	DIODE	1		D1311	MA8180-M	DIODE	1	
D1105,06	MA152K	DIODE	2		D1312,13	MA8082-H	DIODE	2	
					D1315,16	MA152WK	DIODE	2	
IC1101	C0DBZGH00001	IC	1		D1317	MA8051-M	DIODE	1	
IC1102	M51945BL	IC	1	C08EAB0000004	D1318	MA8062-M	DIODE	1	
 IC1103	ETXMM490X4C	POWER MODULE	1		D1320,21	MA152K	DIODE	2	
JP1101-04	VJR1008	EARTH LUG	4		D1322	MA720	DIODE	1	
					D1323	MA152K	DIODE	1	
 L1101,02	ELF19N010A	COIL 1UH	2		IC1301	AN1431M	IC	1	
L1103	J0JTK00000009	FILTER	1		IC1302	C0BBBA0000019	IC	1	
L1108-10	VLQ0655M3R3	COIL 3.3UH	3						
					JP1201-04	VJR1008	EARTH LUG	4	
P1101	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104	L1201	G1C100KA0002	COIL 10UH	1	
					L1203	VLQ0655K220	COIL 22UH	1	
 PC1101	PC111LY1	PHOTO COUPLER	1		L1301	G1C100KA0002	COIL 10UH	1	
R1101	ERUSTEK2R2	F.RESISTOR 5W 2.2	1		P1201	K1KA10A00217	CONNECTOR (MALE)	1	
R1102,03	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GDD221JA003	P1202	VJP3926B022	CONNECTOR (MALE)	1	
R1104-07	ERJ12NF1503	M.RESISTOR CH 1/2W 150K	4		P1203	K1KA04B000056	CONNECTOR (MALE)	1	
R1108	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1		P1207	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B000012
R1109	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1						
R1110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		Q1201	B1DHED0000008	TRANSISTOR	1	
R1111	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		Q1203	B1DHED0000008	TRANSISTOR	1	
R1112	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005	Q1205	2SD1119-R	TRANSISTOR	1	
R1120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005	Q1301-04	XN0440100L	TRANSISTOR	4	
R1121	ERJ14YJ102	M.RESISTOR CH 1/4W 1K	1		Q1305	XN4501	TRANSISTOR-RESISTOR	1	
R1122	ERJ14YJ562	M.RESISTOR CH 1/4 5.6K	1		Q1307	XN4501	TRANSISTOR-RESISTOR	1	
R1124	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1						
					QR1202	UN2211	TRANSISTOR-RESISTOR	1	
U1101	VEE0200	POWER 2 CABLE U	1		QR1204	UN2211	TRANSISTOR-RESISTOR	1	
					QR1302	UNR211L00L	TRANSISTOR-RESISTOR	1	
		MISCELLANEOUS			QR1303	UN2111	TRANSISTOR-RESISTOR	1	
					QR1304-06	UN2211	TRANSISTOR-RESISTOR	3	
 VMZ1686		CAPACITOR COVER	4		QR1307	UN2111	TRANSISTOR-RESISTOR	1	
VEE0202		AC CABLE U	1						
					R1201	ERJL1WKJ50M	M.RESISTOR CH 1W	1	
					R1202,03	ERJL1WKJ39M	M.RESISTOR CH 1W	2	
					R1207	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
					R1209	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
 E11	VEP01944A	POWER 3 P.C.BOARD	1 (RTL)		R1211	ERJ6GEYJ487	M.RESISTOR CH 1/10W 4.7K	1	
					R1213	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
C1202	ECA1CHG101	E.CAPACITOR 16V 100U	1		R1217	ERJ6GEYJ487	M.RESISTOR CH 1/10W 4.7K	1	
					R1221	ERJL1WKJ39M	M.RESISTOR CH 1W	1	

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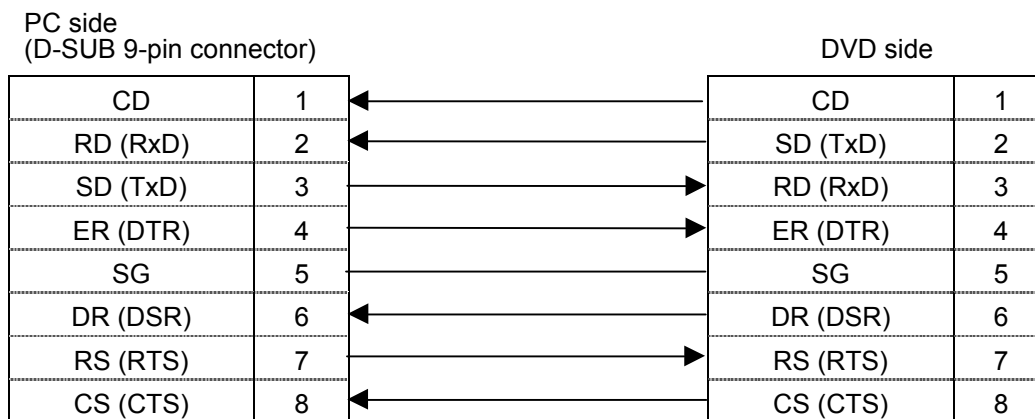
1. EVR ADJUSTMENT PROCEDURE

1-1. PREPARATION

Adjust the Electrical Adjustment using EVR adjustment software (VFK1912).
Adjust by the following procedure.

Items required for EVR adjustment

EVR adjustment software VFK1912
Personal computer compatible with Windows
RS-232C cable (D-SUB 9-pin straight cable)

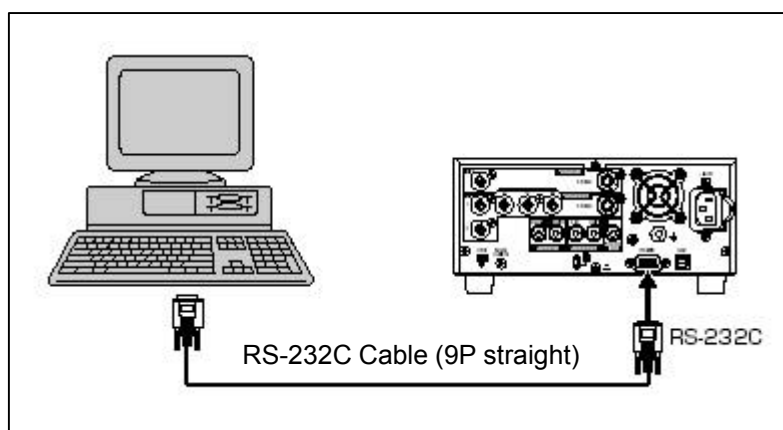


1-2. The connection and the communication setting procedure

1. Set the communication setting for the RS-232C as follow.

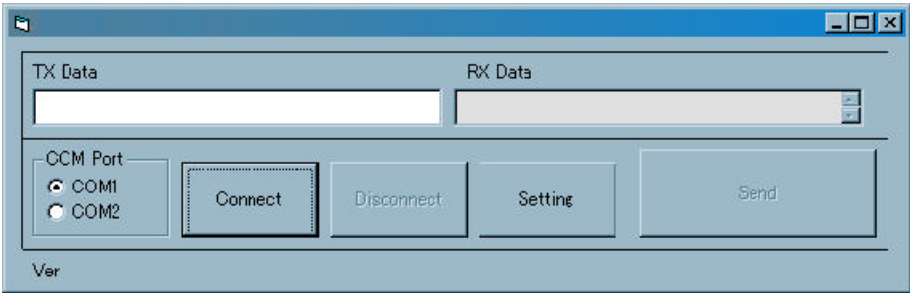
Baud Rate	9600
Bit Length	8 bit
Stop bit	1 bit
Parity	None
Protocol	DVD

2. Turn off the power for the LQ-M800 and personal computer.
Connect the RS-232C terminal on the LQ-MD800 and COM1 port on personal computer by RS-232C cable.
3. Turn on the power for the LQ-M800 and personal computer.

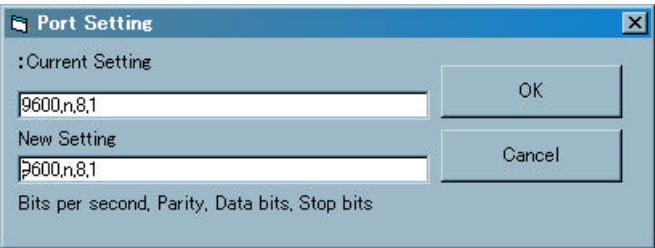


1-3. The start-up of the EVR adjustment software

- 1. Copy downloaded EVR adjustment software into the personal computer.
- 2. Execute the MD800EVR.exe so that the following screen appears.



- 3. Press the “Setting” button so that the following appears.
- 4. Select “New Setting” and input “9600,n,8,1”, and click “OK”.



- 5. Input command [\$VA : C : “command” : “parameter”] of each adjustment in “TX Date” box, and click “OK”.
- 6. Adjustment value changes by changing a parameter.

<Example>

2-1. EE Y OUT Level Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND CSY PARAMETER C8 ~ 00 ~ 38
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	EE
M.EQ	Oscilloscope
SPEC.	Y=1.0 ± 0.02Vp-p

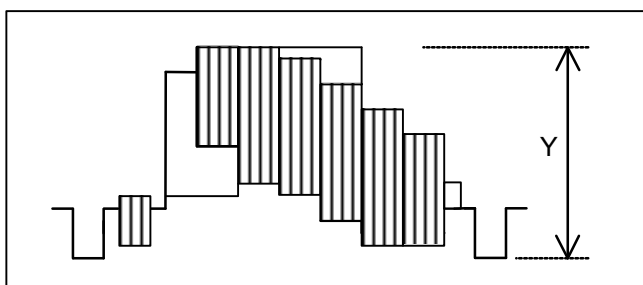
- 1).Input “\$VA:C:CSY:00” and click “OK”.
- 2).Change a parameter between “C8” and “38”.

2. ADJUSTMENT

2-1. EE Y OUT Level Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : CSY PARAMETER : C8 ~ 00 ~ 38
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	EE
M.EQ	Oscilloscope
SPEC.	$Y=1.0 \pm 0.02V_{p-p}$

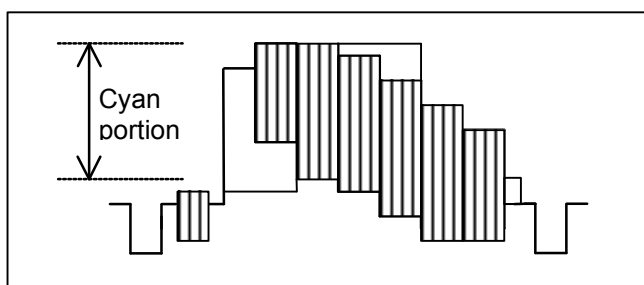
1. Set the input select to V (Video).
2. Adjust with EVR software so that the Y level is within specification.



2-2. EE C OUT Level Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : CRM PARAMETER : B8 ~ 00 ~ 48
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	EE
M.EQ	Oscilloscope
SPEC.	NTSC : $C = 0.63 \pm 0.03V_{p-p}$ PAL : $C = 0.88 \pm 0.04V_{p-p}$

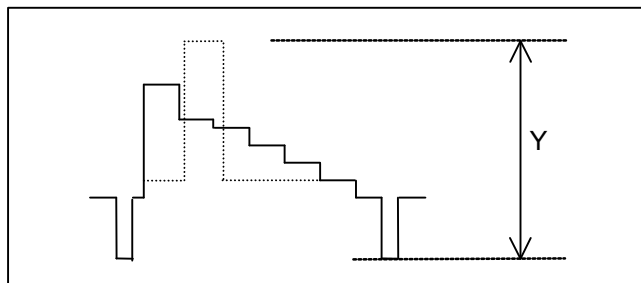
1. Set the input select to V (Video).
2. Adjust with EVR software so that the Cyan portion of C level is within specification.



2-3. Component Y Level Adjustment

BOARD	MAIN C.B.A.
TP	Y OUT
ADJ.	Remote operation by RS-232C control COMMAND : CNY PARAMETER : C8 ~ 00 ~ 38
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	$Y = 1.0 \pm 0.02V_{p-p}$

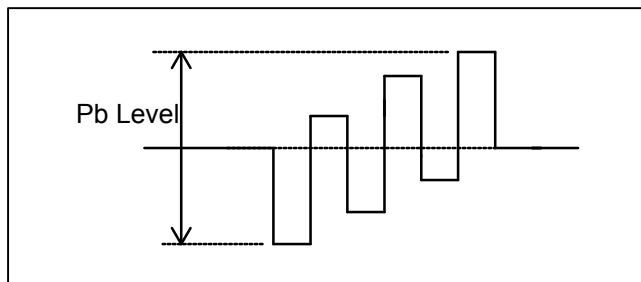
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the Y level is within specification.



2-4. Pb Level Adjustment

BOARD	MAIN C.B.A.
TP	Pb OUT
ADJ.	Remote operation by RS-232C control COMMAND : CBR PARAMETER : B8 ~ 00 ~ 48
SIGNAL	NTSC : 75% Color Bar signal with 7.5% Setup PAL : 100% Color Bar signal
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	NTSC : Pb Level $= 0.486 \pm 0.025V_{p-p}$ PAL : Pb Level $= 0.7 \pm 0.035V_{p-p}$

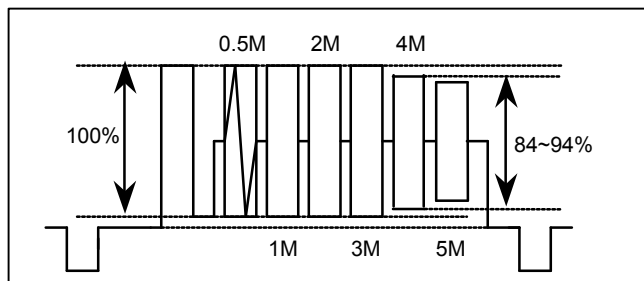
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the Pb level is within specification.



2-5. Composite Frequency Characteristic Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : CSF PARAMETER : FB ~ 00 ~ 05
SIGNAL	60IRE MULTI BURST SIGNAL or MULTIBURST SIGNAL or VIDEO SWEEP
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	4MHz portion : $-1.0 \pm 0.5\text{dB}$ of the 100kHz portion

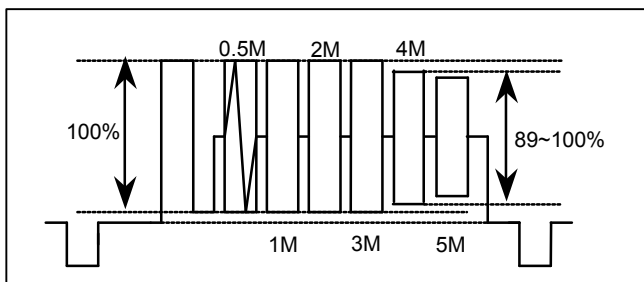
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the 4MHz portion is within specification.



2-6. Component Frequency Characteristic Adjustment

BOARD	MAIN C.B.A.
TP	Y OUT
ADJ.	Remote operation by RS-232C control COMMAND : CNF PARAMETER : FB ~ 00 ~ 05
SIGNAL	60IRE MULTI BURST SIGNAL or MULTIBURST SIGNAL or VIDEO SWEEP
MODE	SELF-REC/PLAY (XP mode)
M.EQ	Oscilloscope
SPEC.	4MHz portion : $-0.5 \pm 0.5\text{dB}$ of the 100kHz portion

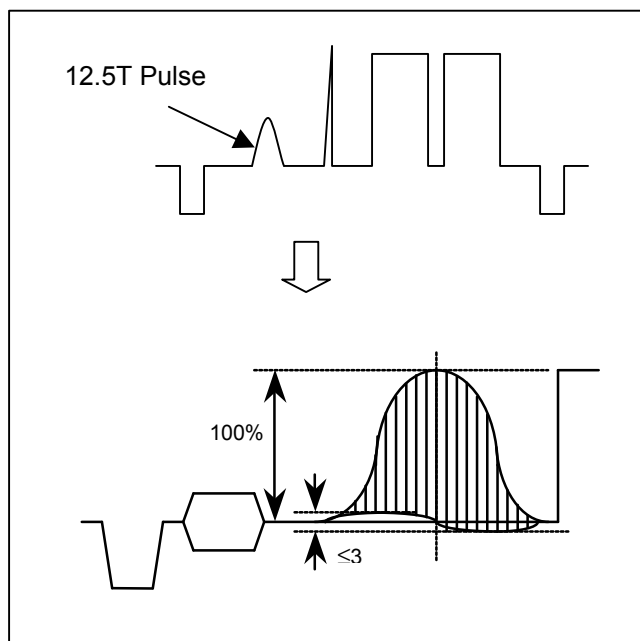
1. Record a moving image by the XP mode in advance on the recording disk.
2. Play back the recorded disk, adjust with EVR software so that the 4MHz portion is within specification.



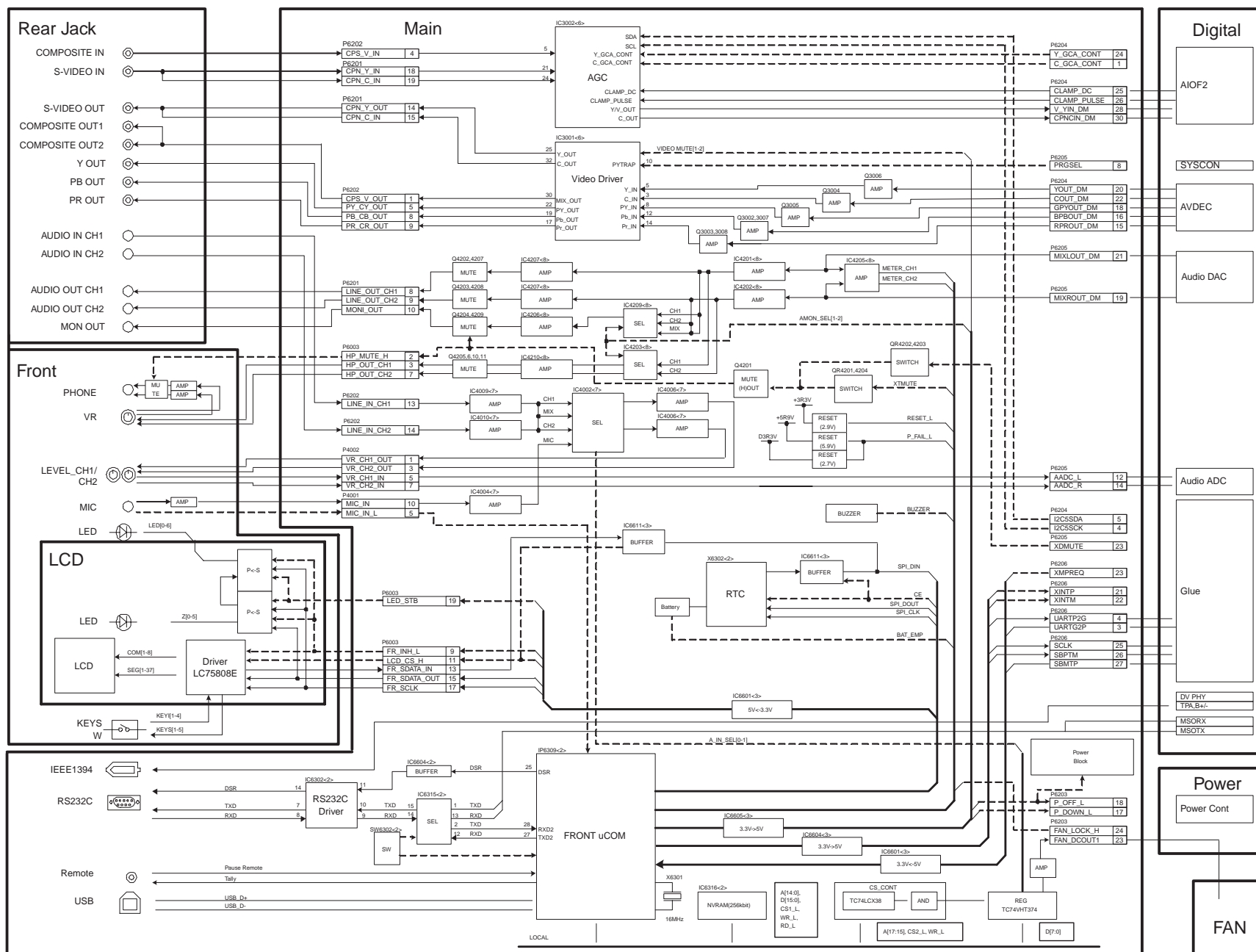
2-7. Composite Y/C Signal Timing Adjustment

BOARD	MAIN C.B.A.
TP	VIDEO OUT 1 or VIDEOOUT 2
ADJ.	Remote operation by RS-232C control COMMAND : YCT PARAMETER : FD ~ 00 ~ 03
SIGNAL	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	SELF-REC/PLAY (XP mode)
M. EQ	Oscilloscope
SPEC.	Y,C Timing : $0 \pm 50\text{nsec}$ C Level $\leq 3\%$ of the Y Level

1. Confirm that the 12.5T modulation signal portion of Composite VIDEO OUT is displayed correctly on the Oscilloscope as shown in figure.
2. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
3. Adjust Y/C timing and C level so that they are within specification.

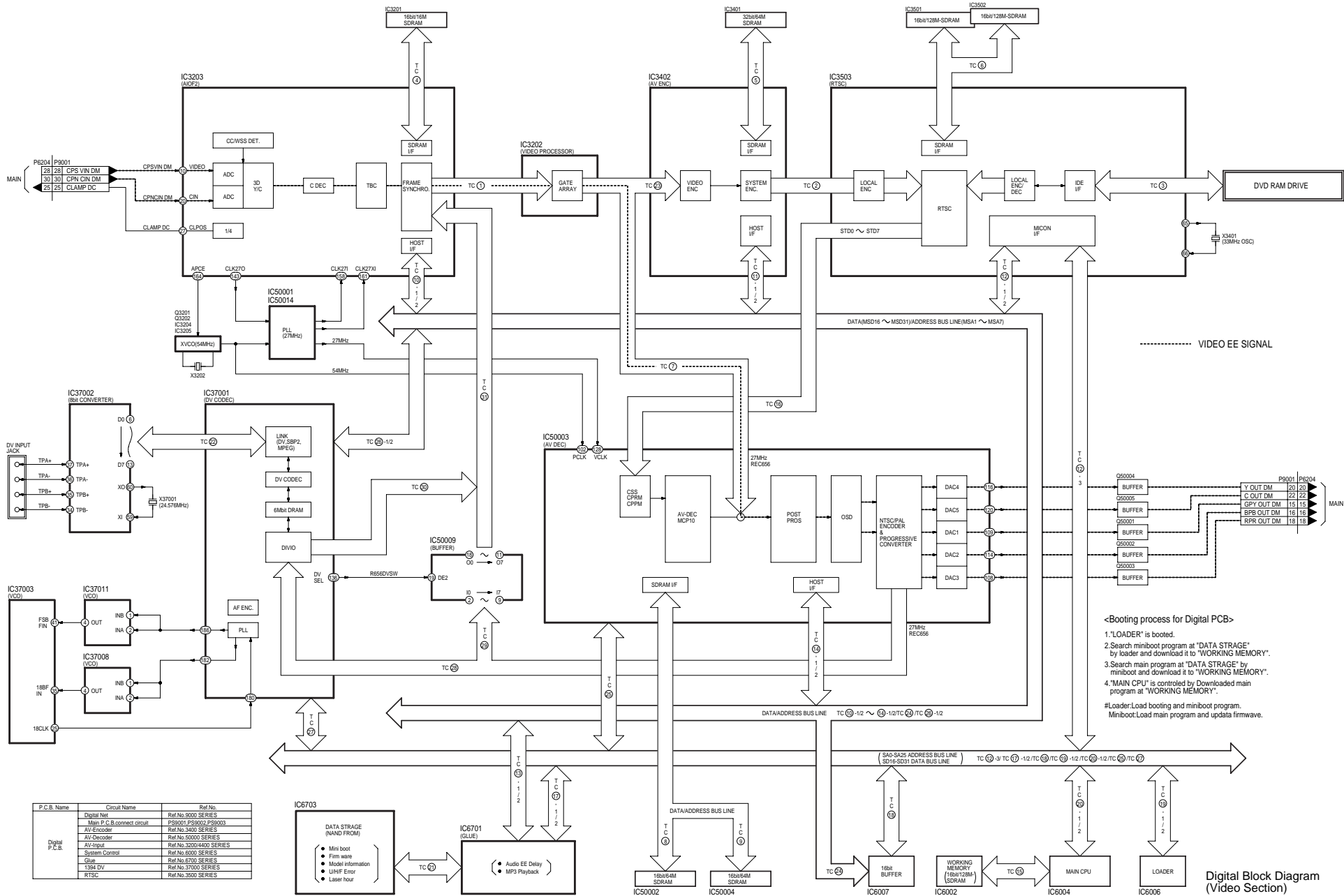


BLK-K-1



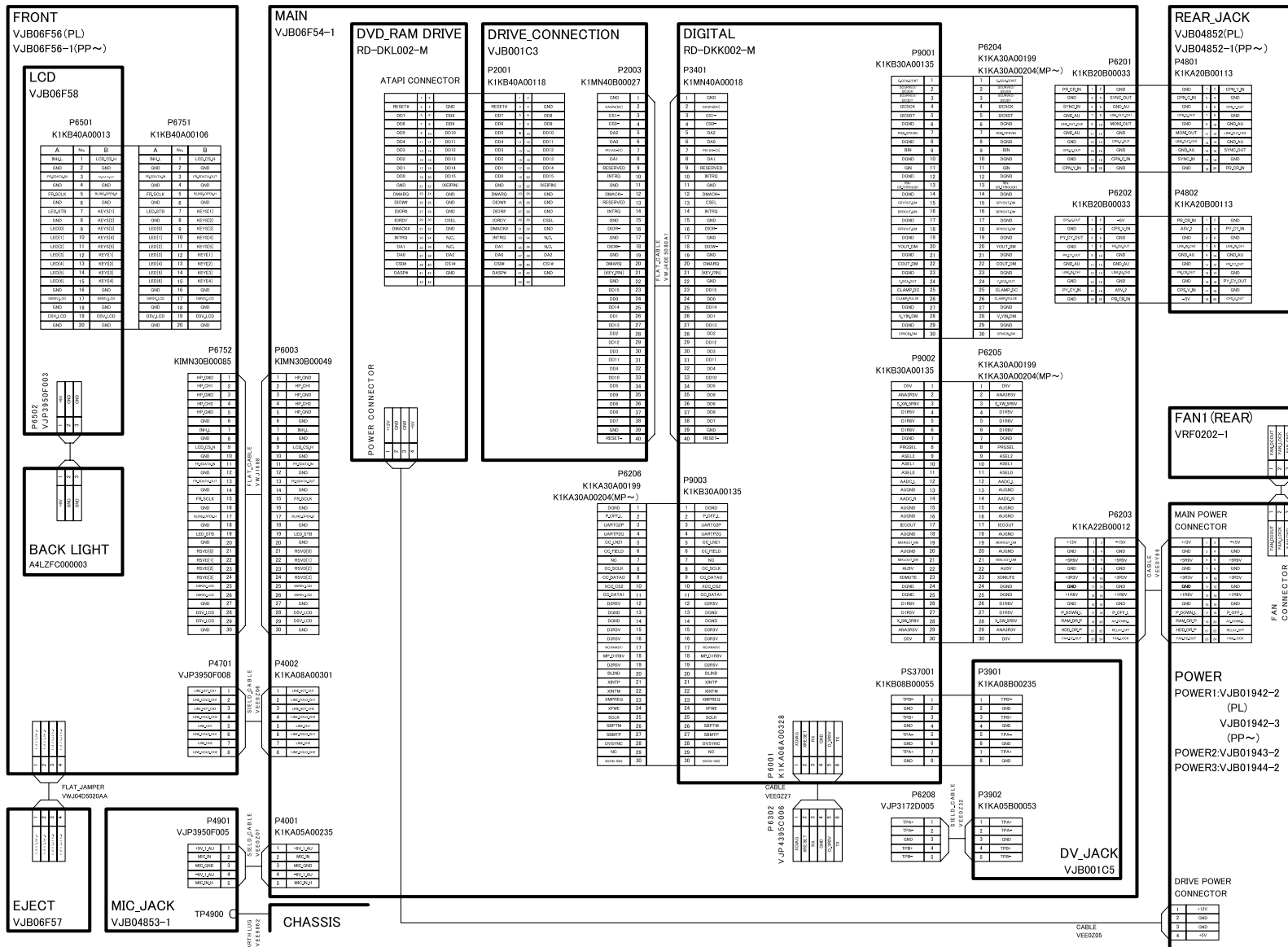
DIGITAL BLOCK DIAGRAM (Video Section)

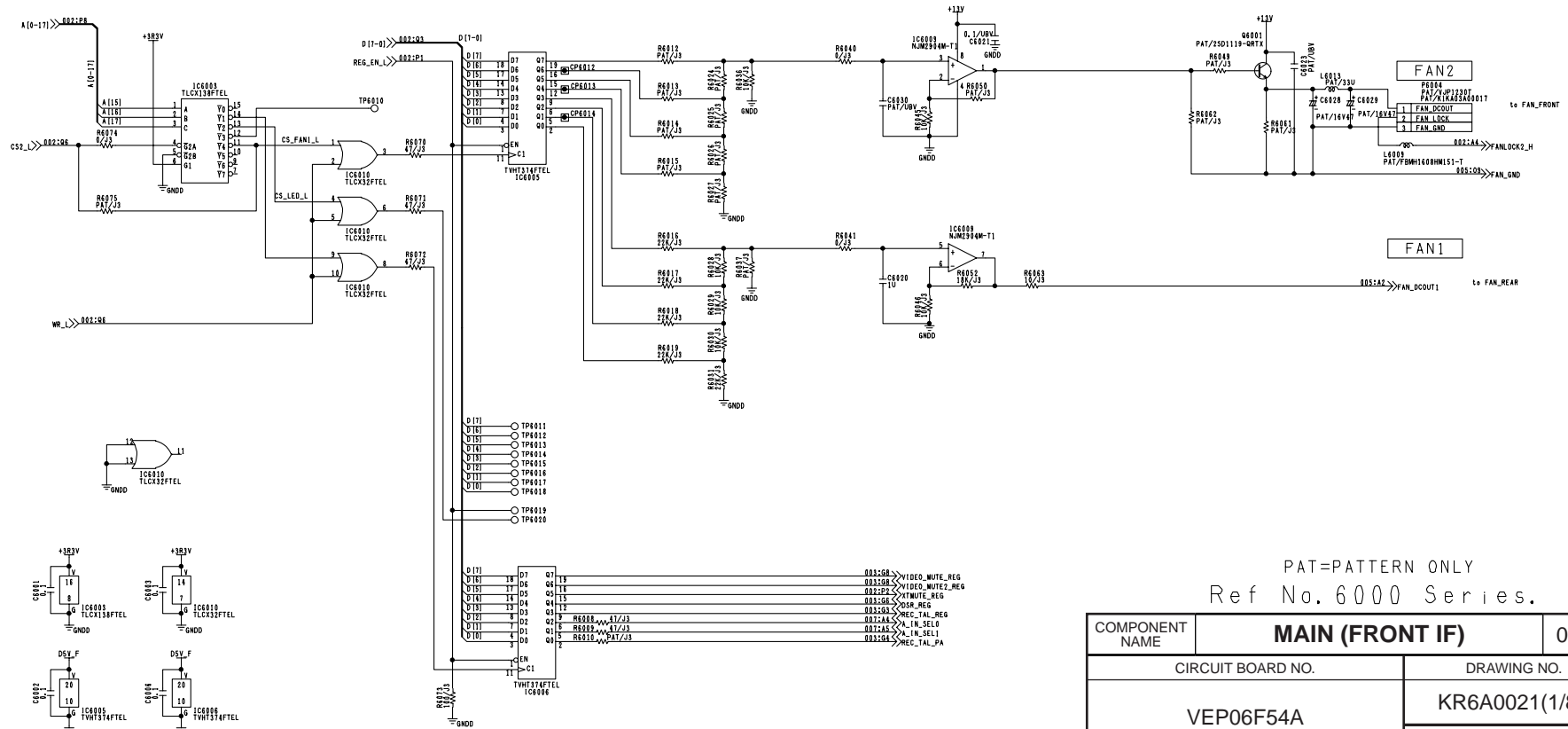
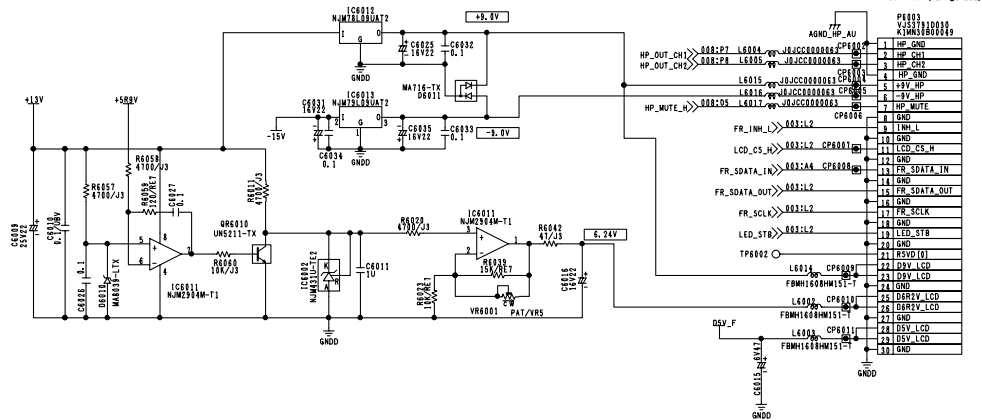
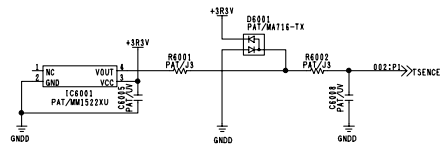
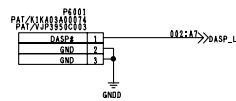
BLK-2



BLK-3







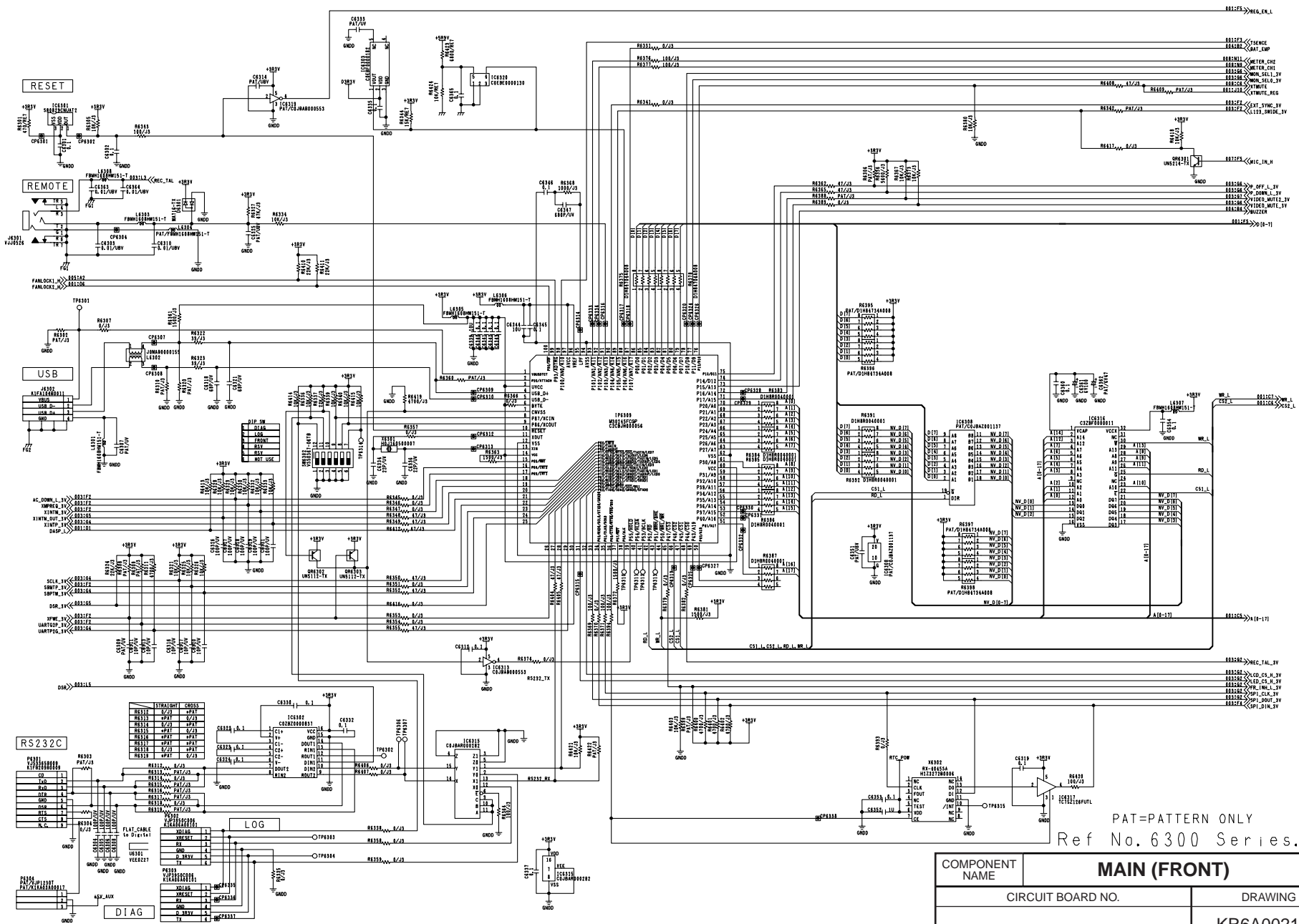
PAT=PATTERN ONLY
Ref No. 6000 Series.

COMPONENT NAME	MAIN (FRONT IF)		01/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021(1/8)	
		SCM002	

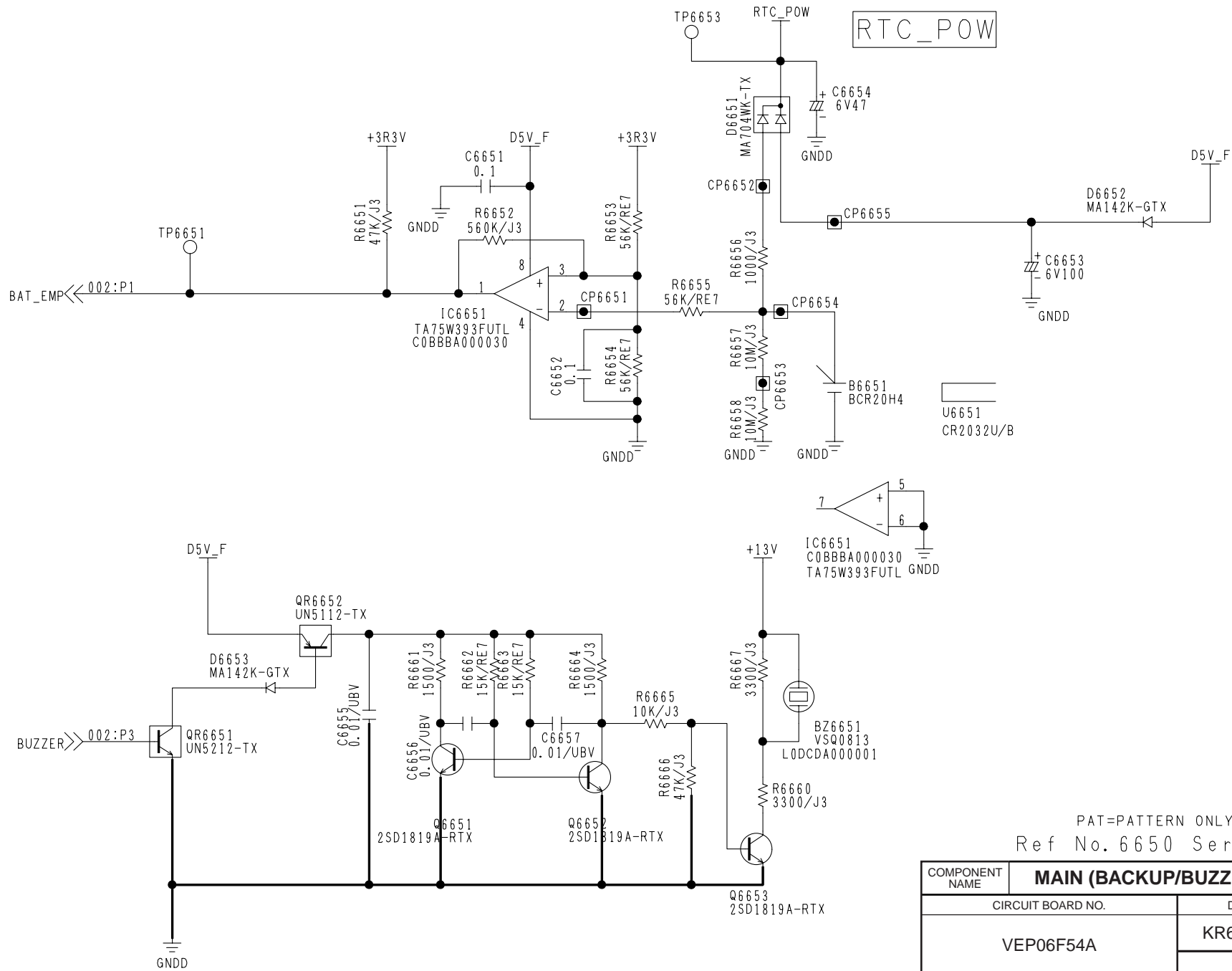
SCM002

SCM002

SCM003

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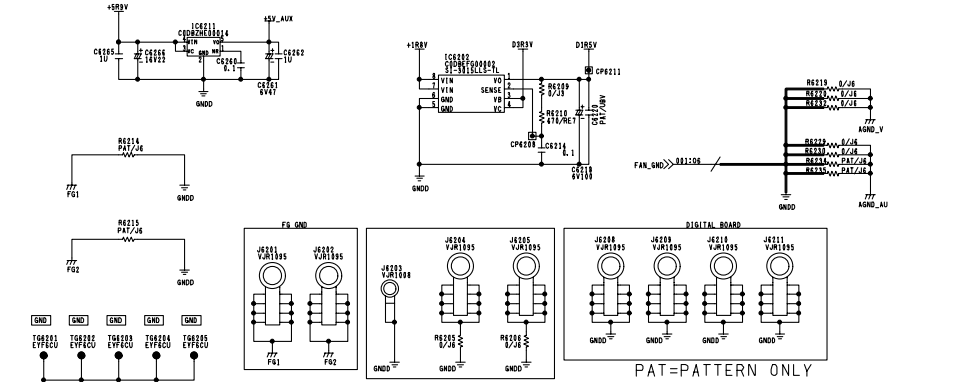
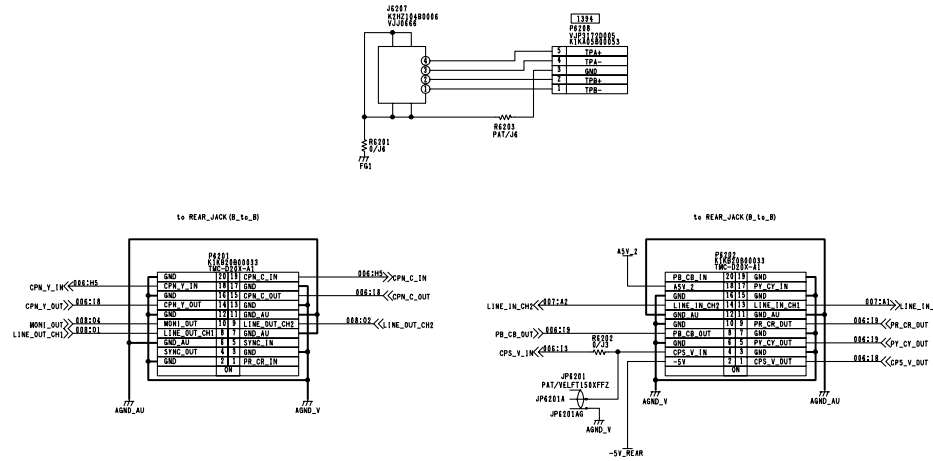
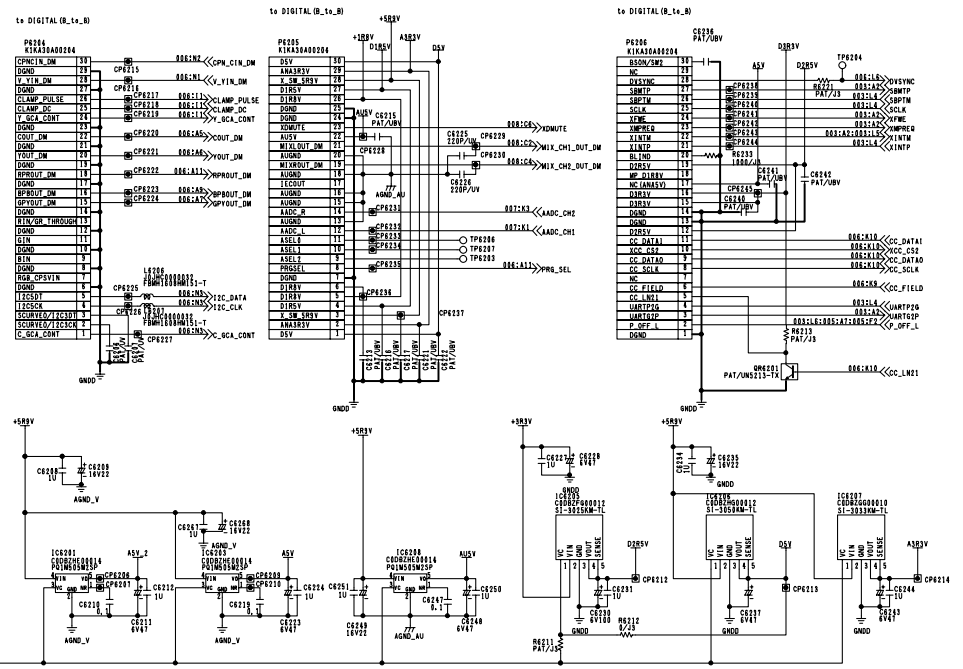
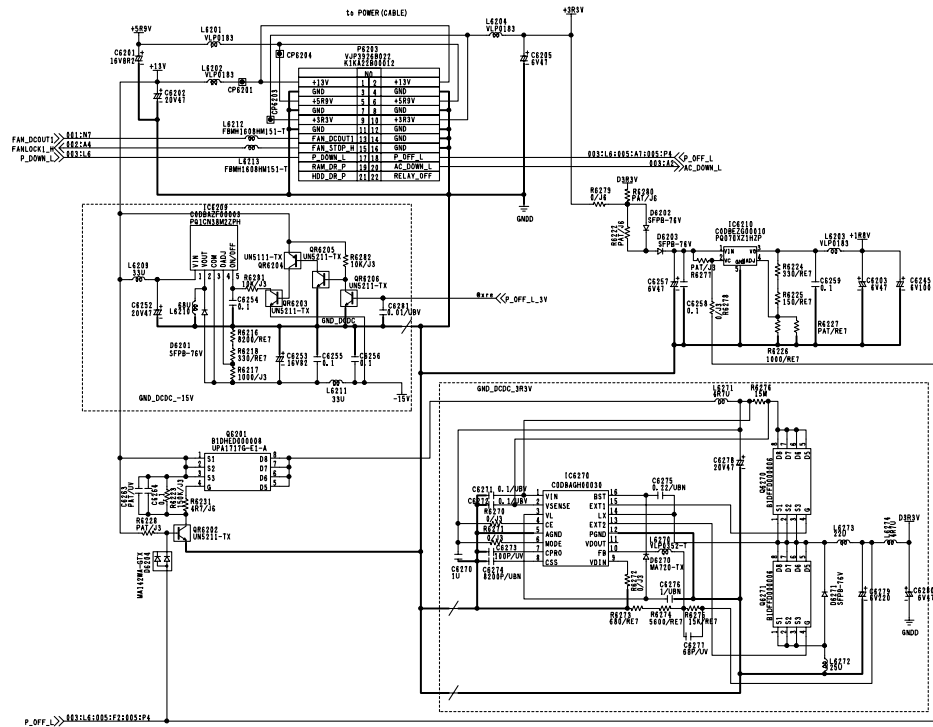
SCM005



PAT=PATTERN ONLY
Ref No.6650 Series.

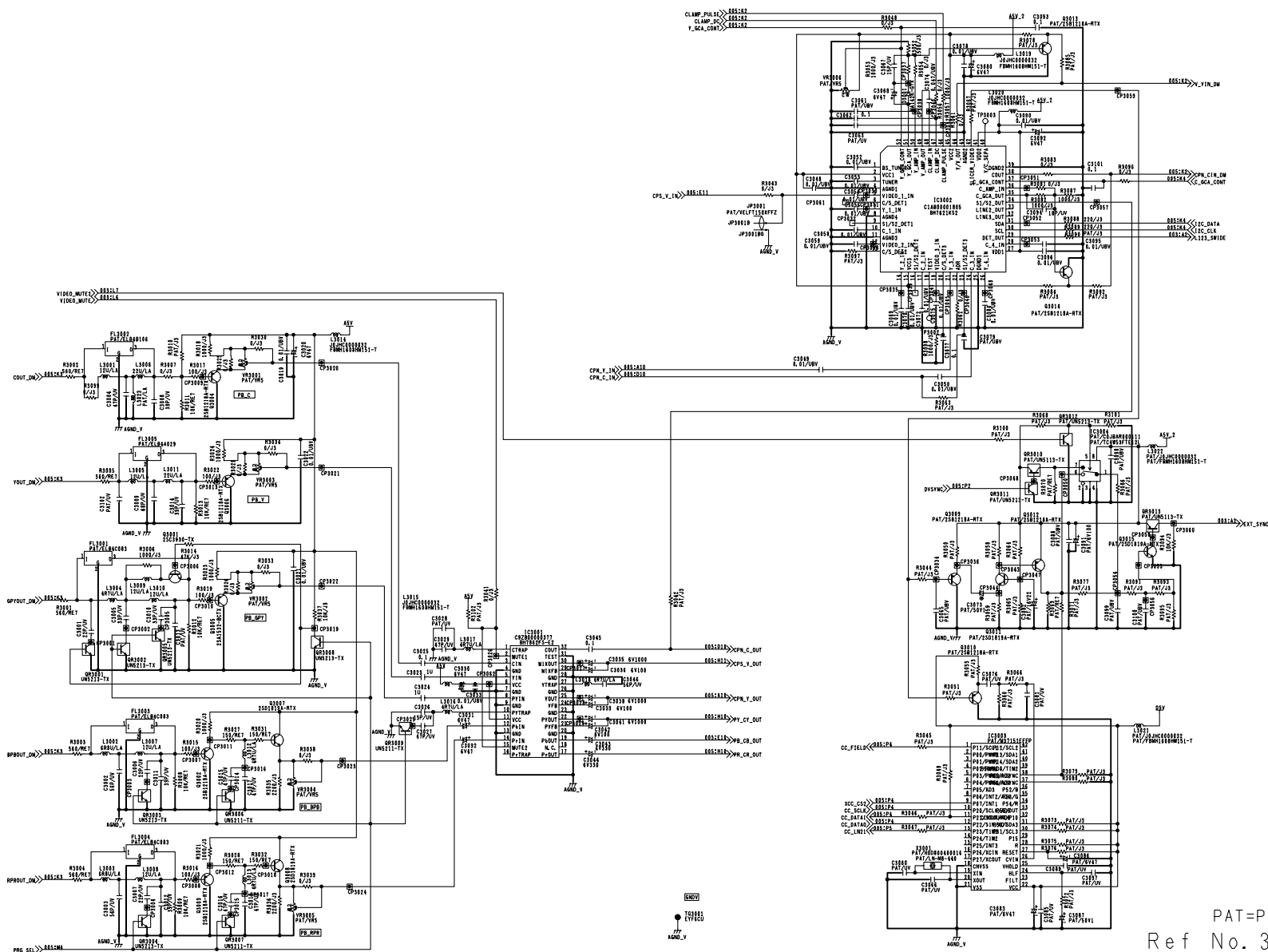
COMPONENT NAME	MAIN (BACKUP/BUZZER)	04/08
CIRCUIT BOARD NO.	DRAWING NO.	
VEP06F54A	KR6A0021 (4/8)	
	SCM005	

SCM006



COMPONENT NAME		MAIN (INTERFACE)		05/08	
CIRCUIT BOARD NO.			DRAWING NO.		
VEP06F54A			KR6A0021 (5/8)		
			SCM006		

SCM007



PAT= PATTERN ONLY
Ref No. 3000 Series.

COMPONENT NAME	MAIN (VIDEO)		06/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021 (6/8)	
		SCM007	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

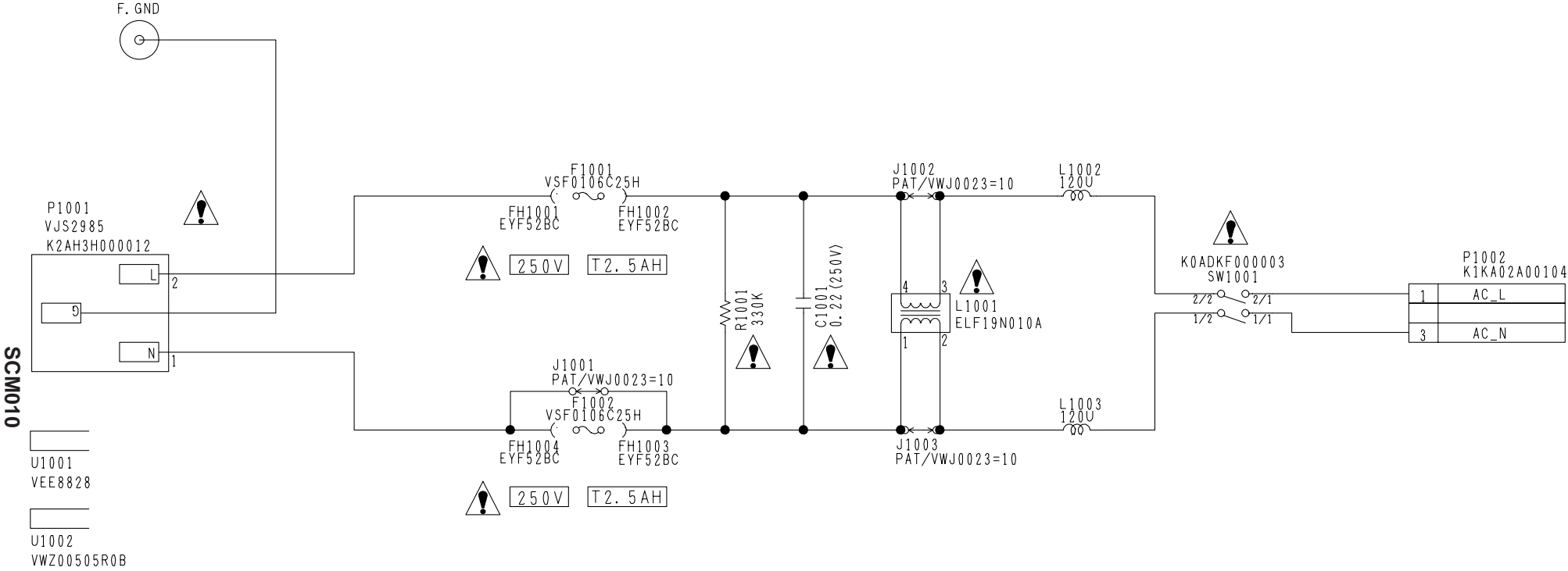


COMPONENT NAME	MAIN (AUDIO 1)		07/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP06F54A		KR6A0021 (7/8)	
		SCM008	



A horizontal number line with tick marks at 12, 13, 14, and 15. A point is marked with a dot between 13 and 14, closer to 13.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS ONLY THE SAME TYPE.



Ref. No. 1000 Series

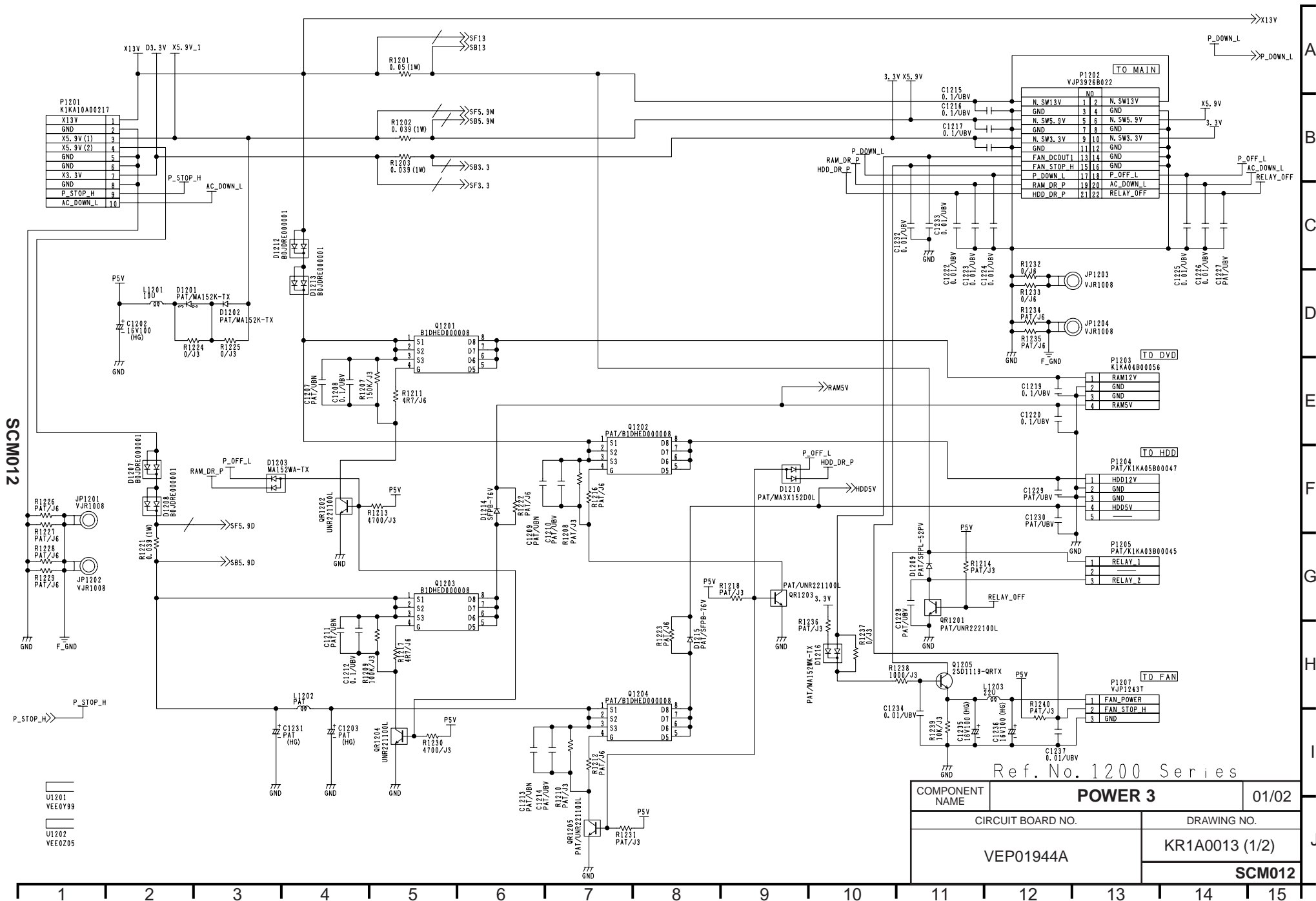
COMPONENT NAME	POWER 1	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP01942A	KR1A0011	
	SCM010	

#001	VMZ1686
#002	VMZ1686
#003	VMZ1686
#004	VMZ1686
#005	VEE0Z02

Ref. No. 1100 Series

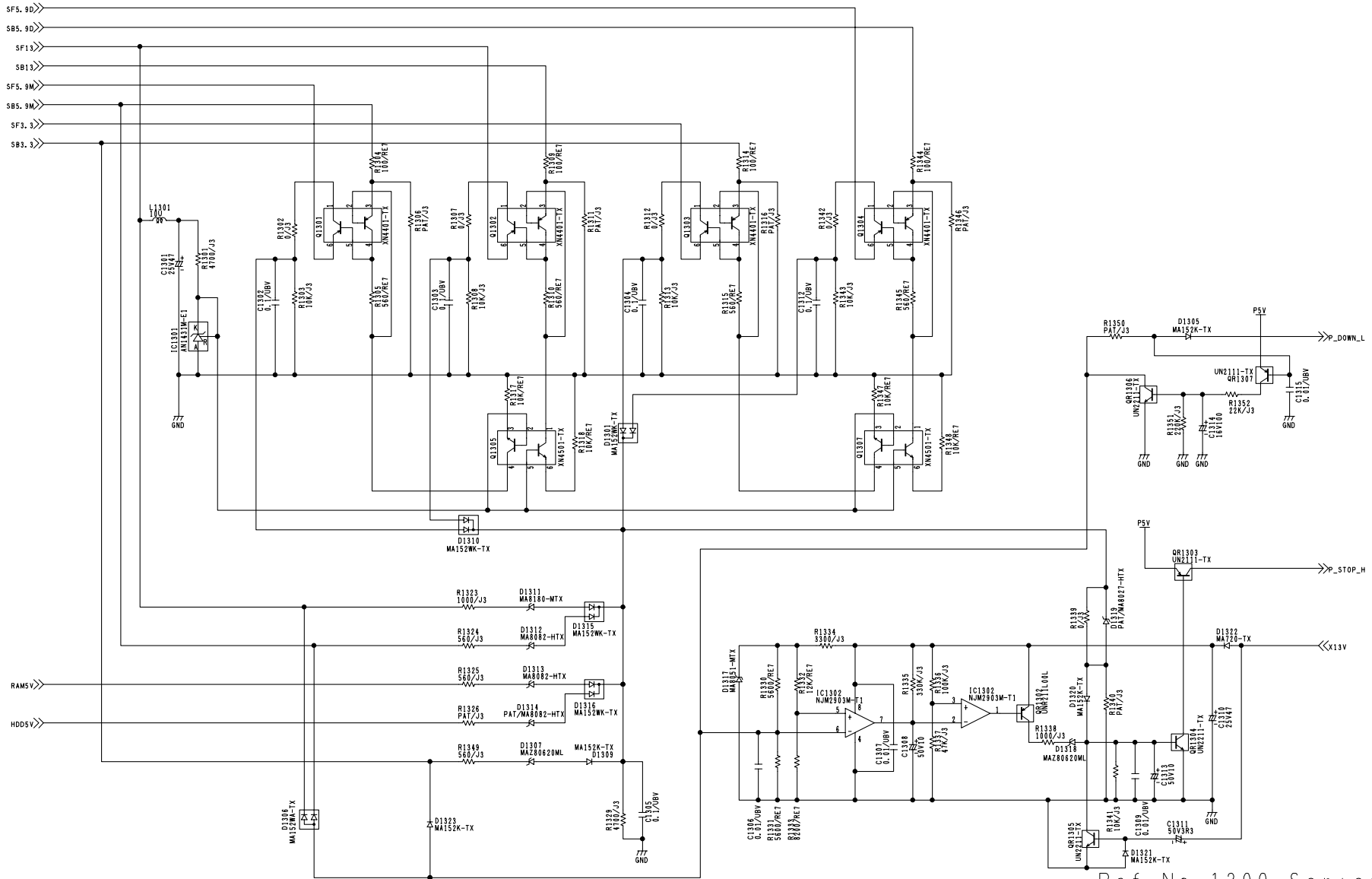
COMPONENT NAME		POWER 2		01/01	
CIRCUIT BOARD NO.			DRAWING NO.		
VEP01943A			KR1A0012		
			SCM011		

SCM011



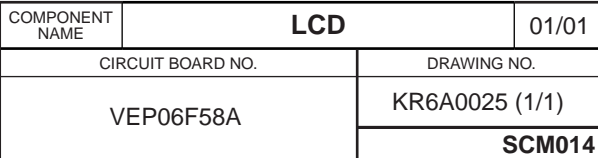
COMPONENT NAME	POWER 3		01/02
CIRCUIT BOARD NO.		DRAWING NO.	
VEP01944A		KR1A0013 (1/2)	
		SCM012	

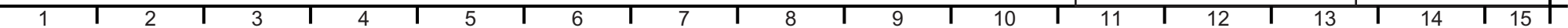
SCM013



Ref. No. 1300 Series

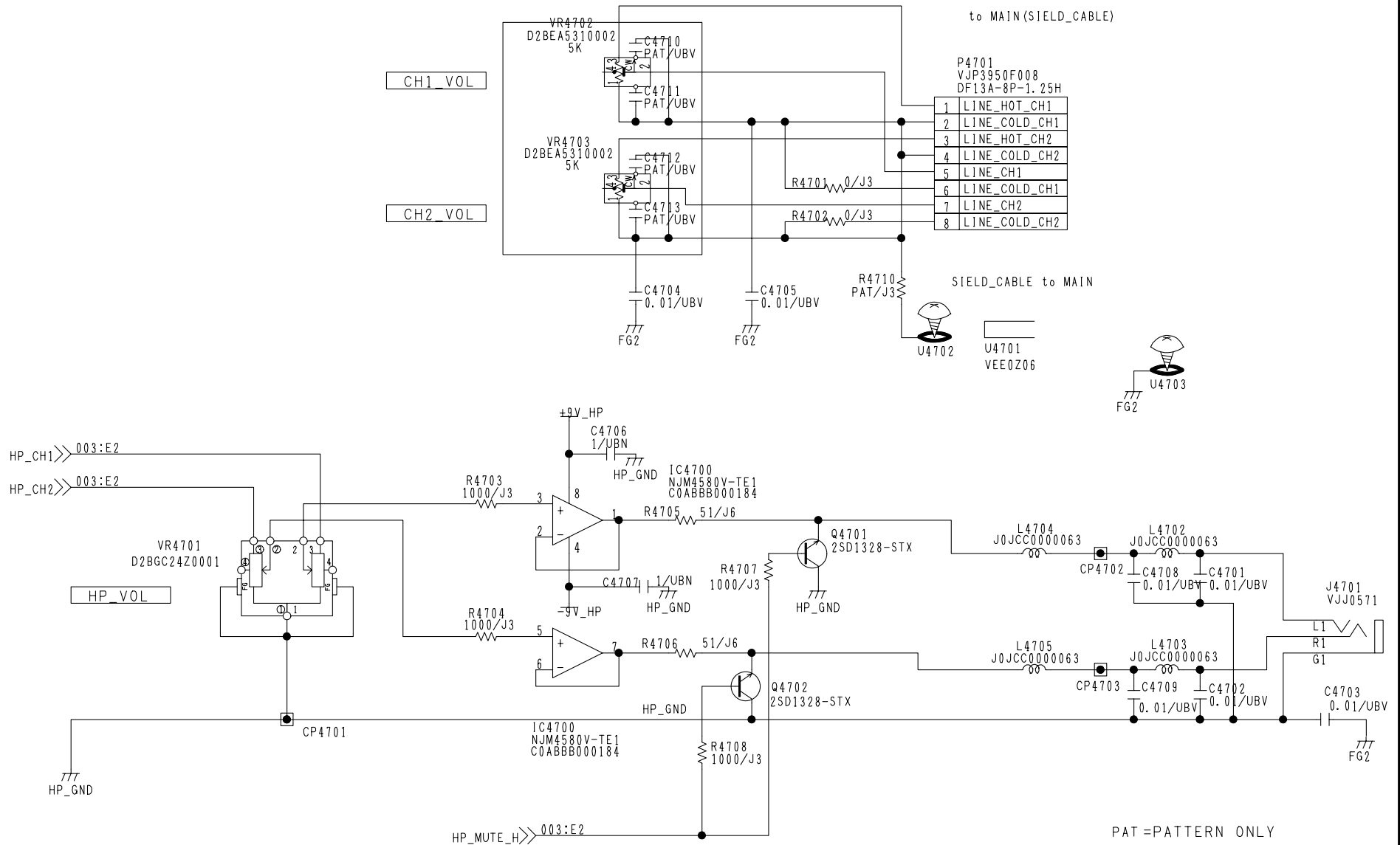
COMPONENT NAME	POWER 3	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP01944A	KR1A0013 (2/2)	
	SCM013	





A horizontal number line with tick marks at every integer from 10 to 16. The numbers 11, 12, 13, 14, and 15 are labeled below the line.

SCM016

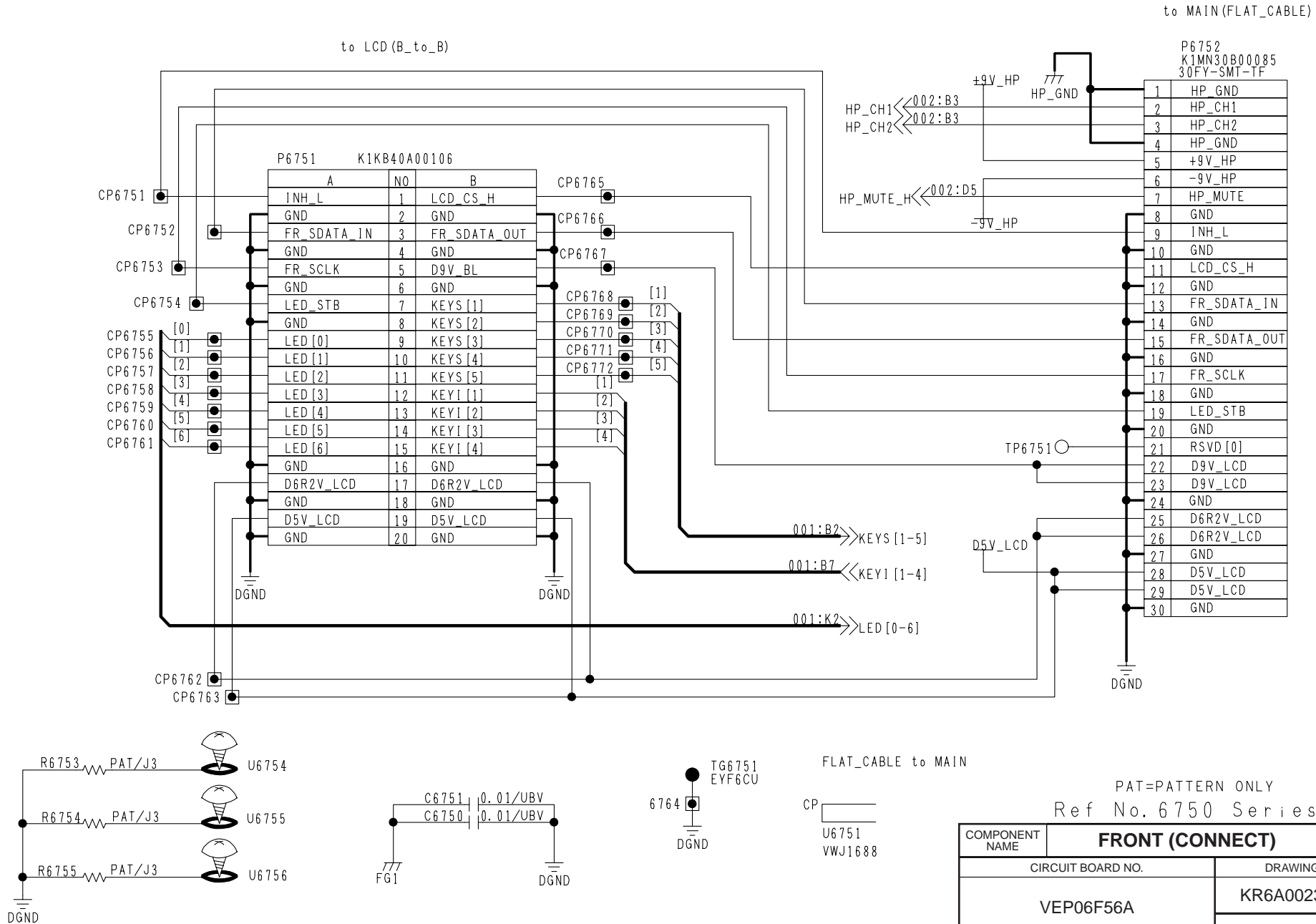


PAT= PATTERN ONLY
Ref No. 4700 Series.

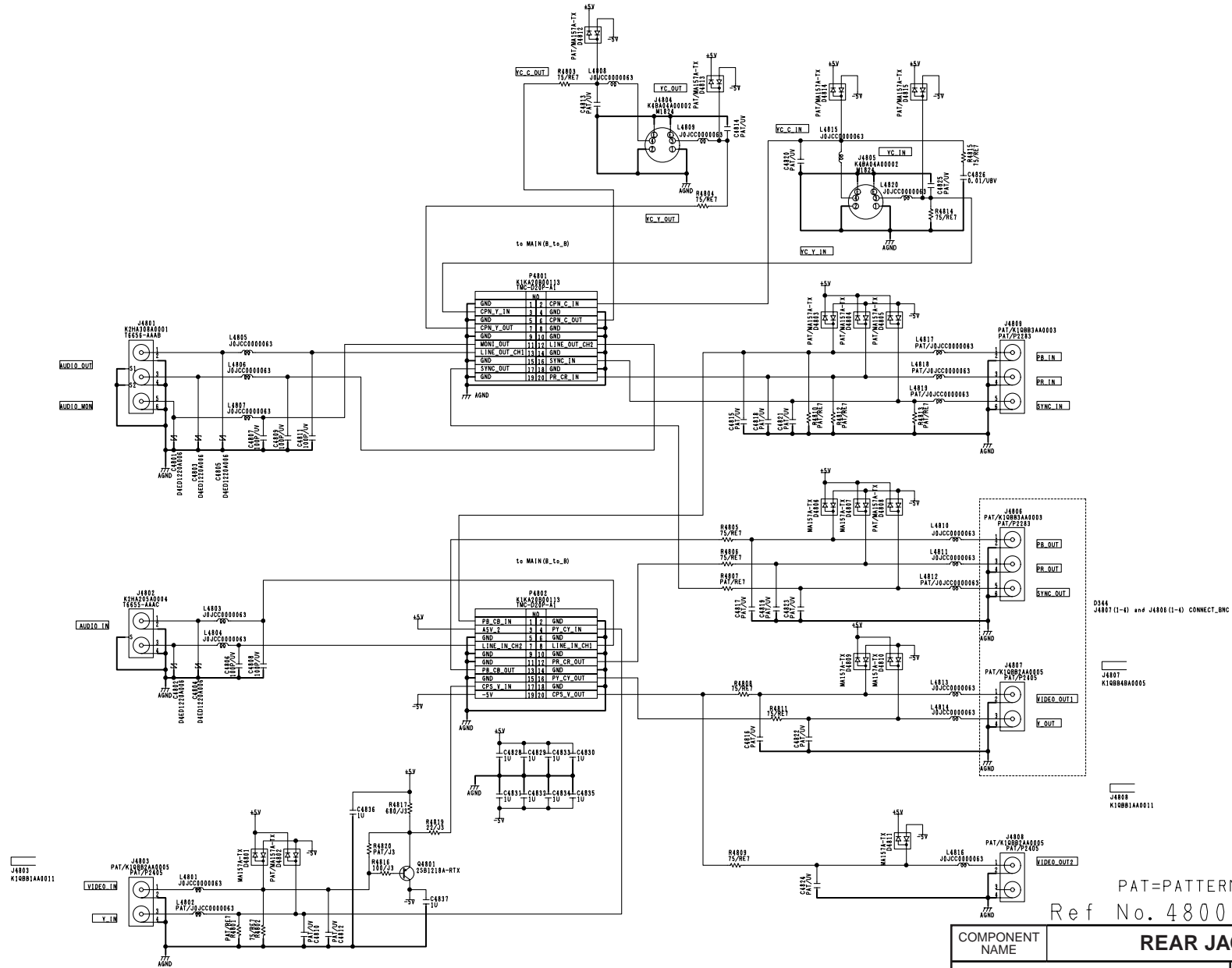
COMPONENT NAME	FRONT (HEAD PHONE)	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP06F56A		KR6A0023 (2/3)
SCM016		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SCM017



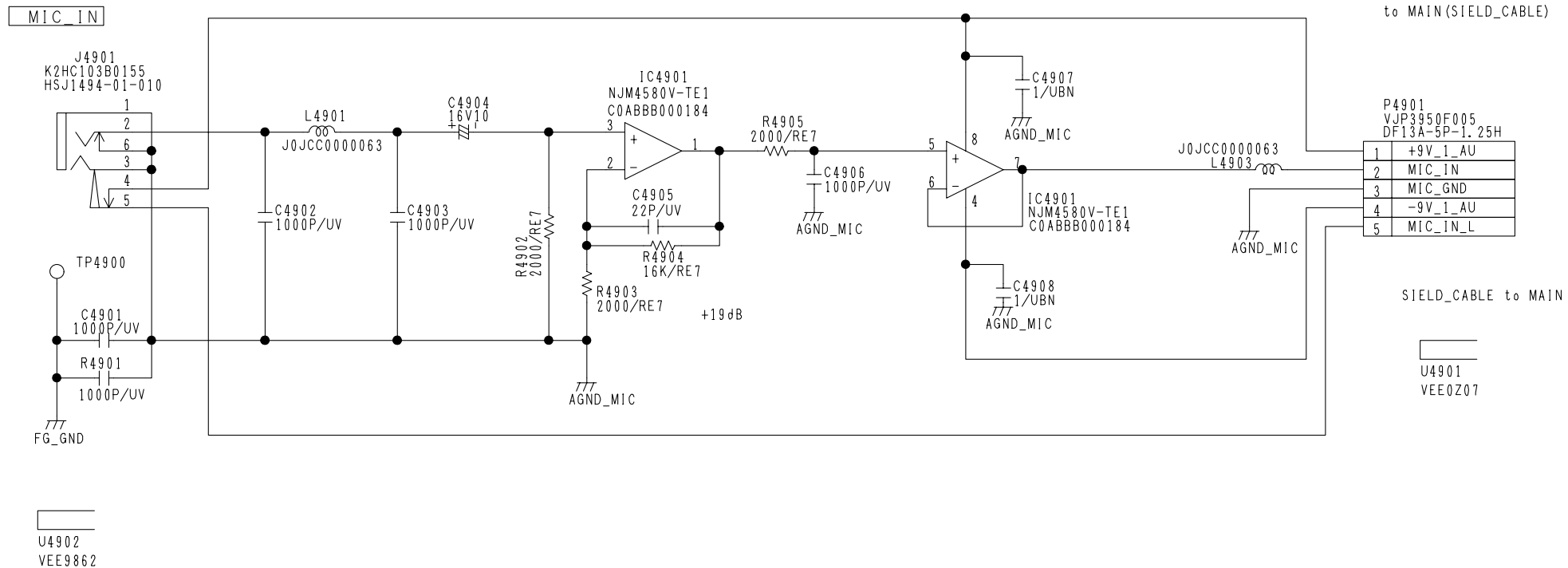
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



PAT=PATTERN ONLY
Ref No. 4800 Series.

COMPONENT NAME	REAR JACK		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
VEP04852A		KR4A0010 (1/1)	
		SCM018	

SCM019

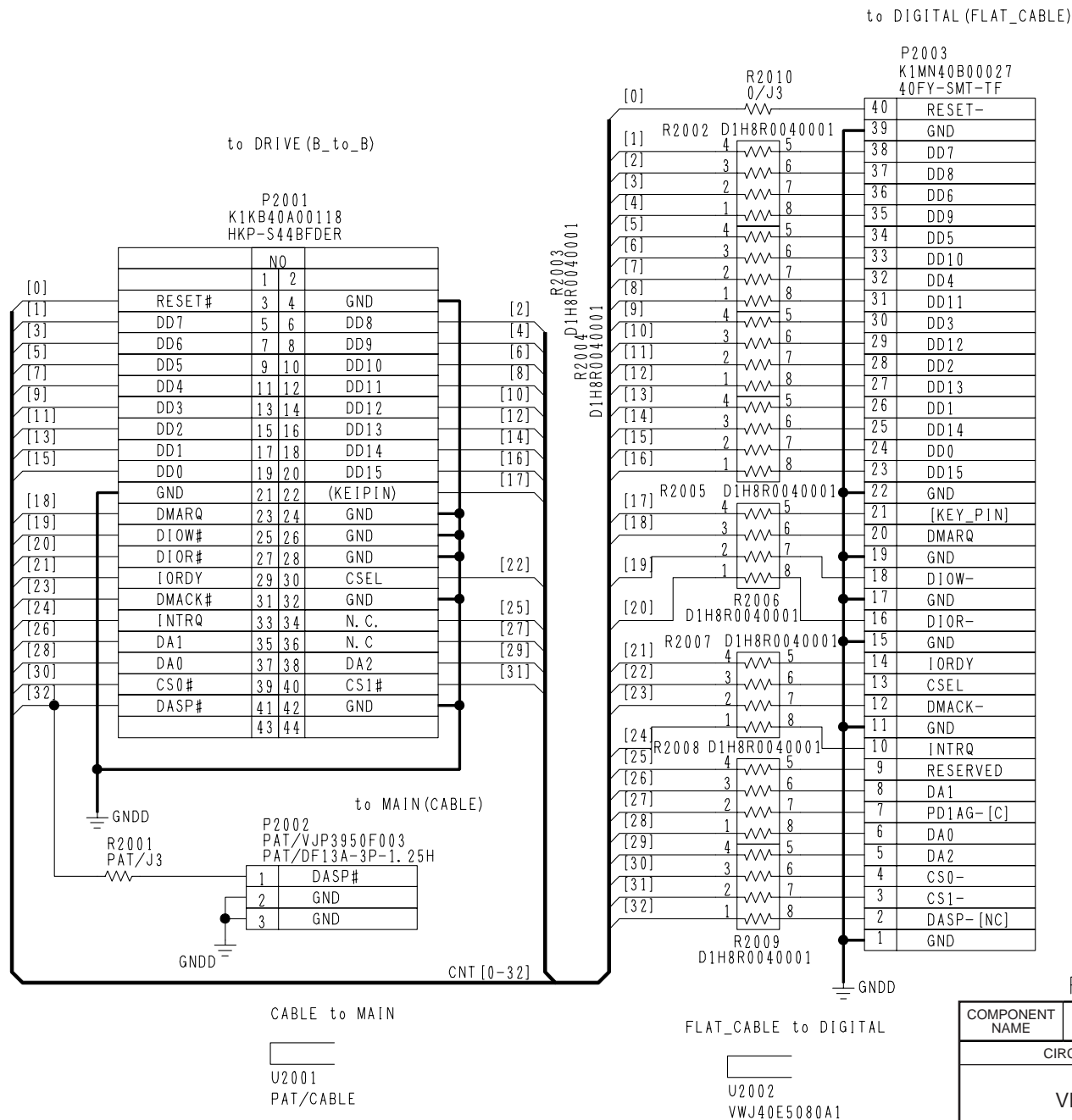


PAT=PATTERN ONLY
Ref No. 4900 Series.

COMPONENT NAME	MIC JACK	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04853A	KRA4A0011 (1/1)	
	SCM019	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SCM020



PAT=PATTERN ONLY
Ref No. 2000 Series.

COMPONENT NAME	DRIVE CONNECTION		01/01
	CIRCUIT BOARD NO.	DRAWING NO.	
VEP001C3A		KR0A0036 (1/1)	J
		SCM020	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SCM021

to DIGITAL (B_to_B)

to MAIN (1394_CABLE)

P3901
K1KA08B00235
IMSA-9850B-08Y900

GND	8
TPA+	7
GND	6
TPA-	5
GND	4
TPB+	3
GND	2
TPB-	1

GNDD

P3902
VJP3172D005
K1KA05B00053

5	TPA+
4	TPA-
3	GND
2	TPB+
1	TPB-

GNDD

1394 CABLE to MAIN



U3901
VEE0Z32

PAT=PATTERN ONLY
Ref No. 3900 Series.

COMPONENT NAME	DV JACK	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP001C5A		KR0A0038 (1/1)
		SCM021

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G

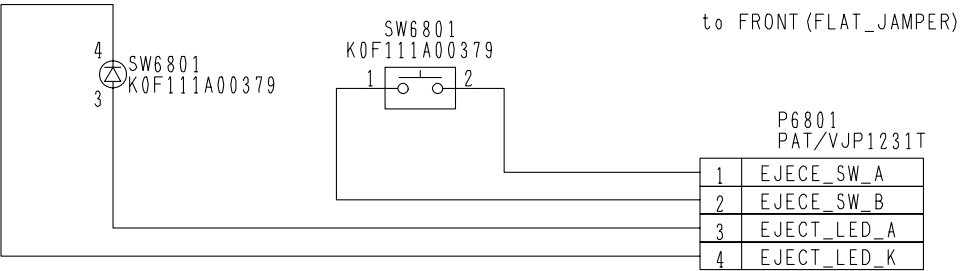
H

I

J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SCM022



FLAT_JAMPER to FRONT

U6801
VWJ04D5020AA

PAT=PATTERN ONLY
Ref No. 6800 Series.

COMPONENT NAME	EJECT	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP06F57A	KR6A0024 (1/1)	
	SCM022	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

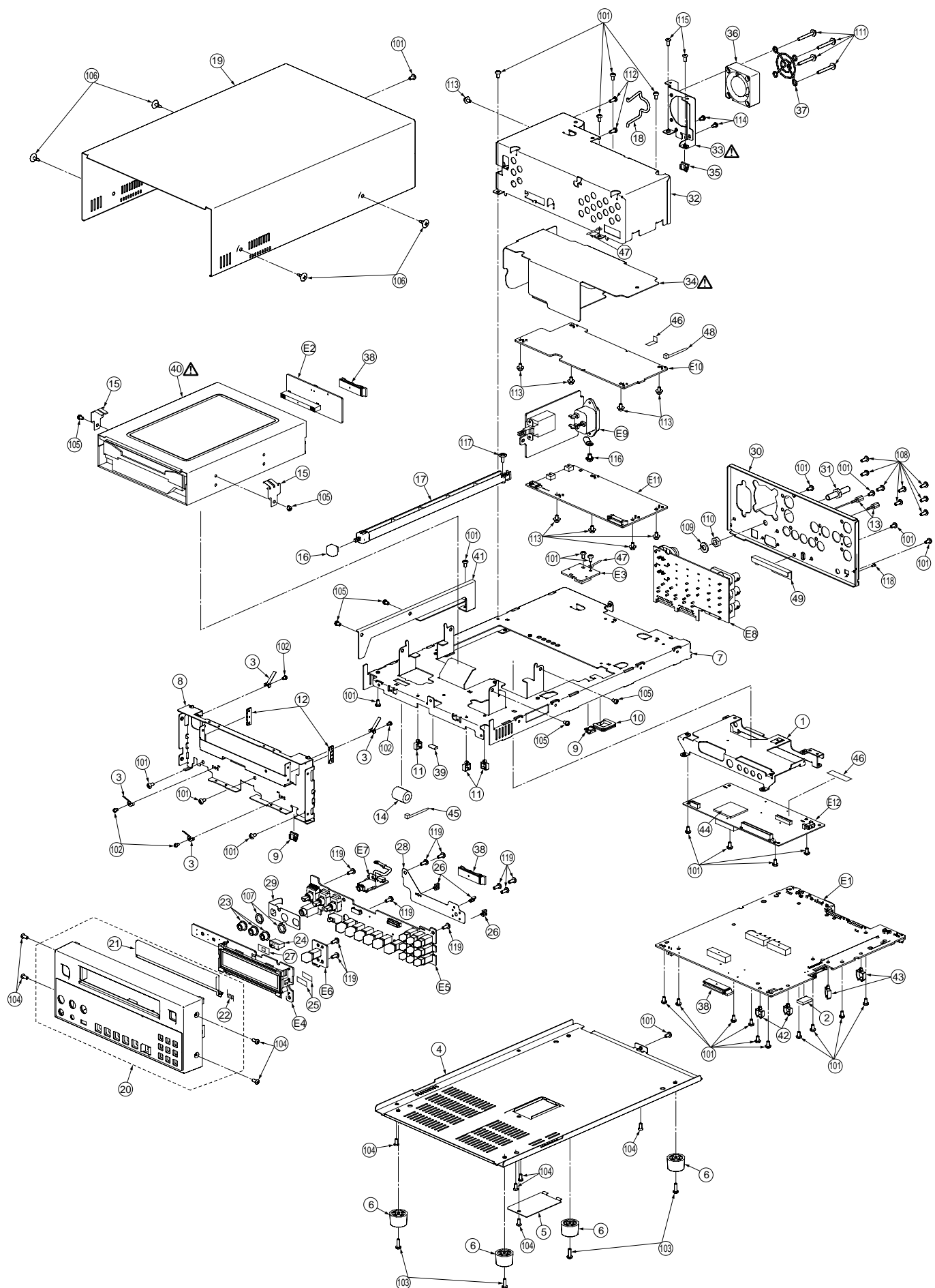
CASING PARTS ASSEMBLY

Components identified with the mark  have the special characteristics for safety. When replacing any of these components, use only the same type.


Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP7928	DIGITAL ANGLE	1		E1	VEP06F54A	MAIN C.B.A.	1	
2	VMT1548	GASKET	1		E2	VEP001C3A	DRIVE CONNECTION C.B.A.	1	
3	VMC1534	SHIELD ANGLE	4		E3	VEP001C5A	DV JACK C.B.A.	1	
4	VKU0594	BOTTOM COVER	1		E4	VEP06F58A	LCD C.B.A.	1	
5	VMP7953	BATTERY COVER	1		E5	VEP06F56A	FRONT C.B.A.	1	
6	VKA0117	PLASTIC FOOT	4		E6	VEP06F57A	EJECT C.B.A.	1	
7	VMP7872	CHASSIS	1		E7	VEP04853A	MIC JACK C.B.A.	1	
8	VMP7927	FRONT CHASSIS	1		E8	VEP04852A	REAR JACK C.B.A.	1	
9	VJF1007	EDGE SADDLE	2		E9	VEP01942A	POWER 1 C.B.A.	1	
10	VJF1259	EDGE HOLDER	1		E10	VEP01943A	POWER 2 C.B.A.	1	
11	VJF0456	BINDER	3		E11	VEP01944A	POWER 3 C.B.A.	1	
12	VSC5459	FRONT EARTH ANGLE	2		E12	VVRDDKK002P	DIGITAL C.B.A.	1	FOR LQ-MD800P
13	VMS6553	D SUB SCREW	2		E12	VVRDDKK002E	DIGITAL C.B.A.	1	FOR LQ-MD800E
14	VLP0120	FERRITE CORE	1						
15	VSC5566	DRIVE EARTH ANGLE	2						
16	QGUG1040AA	POWER SWITCH BUTTON	1						
17	VML3838	POWER ROD	1						
18	VML2903	AC CORD HOOK	1						
19	VGM2071	FRAME	1						
20	VYP8885	FRONT PANEL U	1						
21	VKF3409	SHUTTER	1						
22	VMB3393	SHUTTER SPRING	1						
23	VGU6509	VOLUME KNOB	3						
24	VGU5582	SWITCH KNOB	1						
25	VMF0566	TAPE B	2						
26	VJF1273	CLAMPER	3						
27	VGF0687	SLIDE SW SHEET	1						
28	VMZ3446	FFC PROTECTOR	1						
29	VSC5601	VR EARTH	1						
30	VJH1241	JACK PLATE	1						
31	VJP3680	DIN PLUG	1						
32	VSC5560	POWER CASE	1						
	VMP7874	POWER FAN ANGLE	1						
	VMZ3408	INSULATION BARRIER	1						
35	VJF1007	EDGE SADDLE	1						
36	VRF0202	FAN MOTOR	1	L6FAHCBH0003					
37	VGF0527	FAN GUARD	1						
38	VJF1058	CABLE CLAMPER	3						
39	VMT1549	GASKET	1						
	RD-DKL002-M	DRIVE U PACKAGE	1						
41	VMP8051	SUPPORT ANGLE	1						
42	VJF0442	MINI CLAMPER	2						
43	VJF0882	MINI CLAMPER	2						
44	VMZ3433	HEAT SINK	1						
45	VJF1157	HARNESS	1						
46	VMF0565	TAPE A	2						
47	VJF1443	CLAMPER	2						
48	VJF1158	CLAMPER	1						
49	VMP8098	BTB ANGLE	1						
50	VUVZT0256-12	TAPE	1						
101	XTB3+6F	SCREW	31						
102	XYN26+C4	SCREW	4						
103	XTB3+10FFZ	SCREW	4						
104	VHD1639FN	SCREW	9						
105	XYN3+C5	SCREW	6						
106	SNE2129	SCREW	4						
107	XNS9	NUT	2						
108	XTB3+8GFZ	SCREW	8						
109	XNG6C	NUT	1						
110	XWA6B	WASHER	1						
111	XYN3+F25FZ	SCREW	4						
112	XYN3+C8FZS	SCREW	2						
113	XYN3+F8	SCREW	9						
114	XYN3+C5	SCREW	2						
115	VHD1639FN	SCREW	2						
116	XYN4+E6VW	SCREW	1						
117	VHD0304	SCREW	1						
118	XQN16+C4FZ	SCREW	1						
119	XTB3+8G	SCREW	10						






CASING PARTS ASSEMBLY

Components identified with the mark  have the special characteristics for safety. When replacing any of these components, use only the same type.

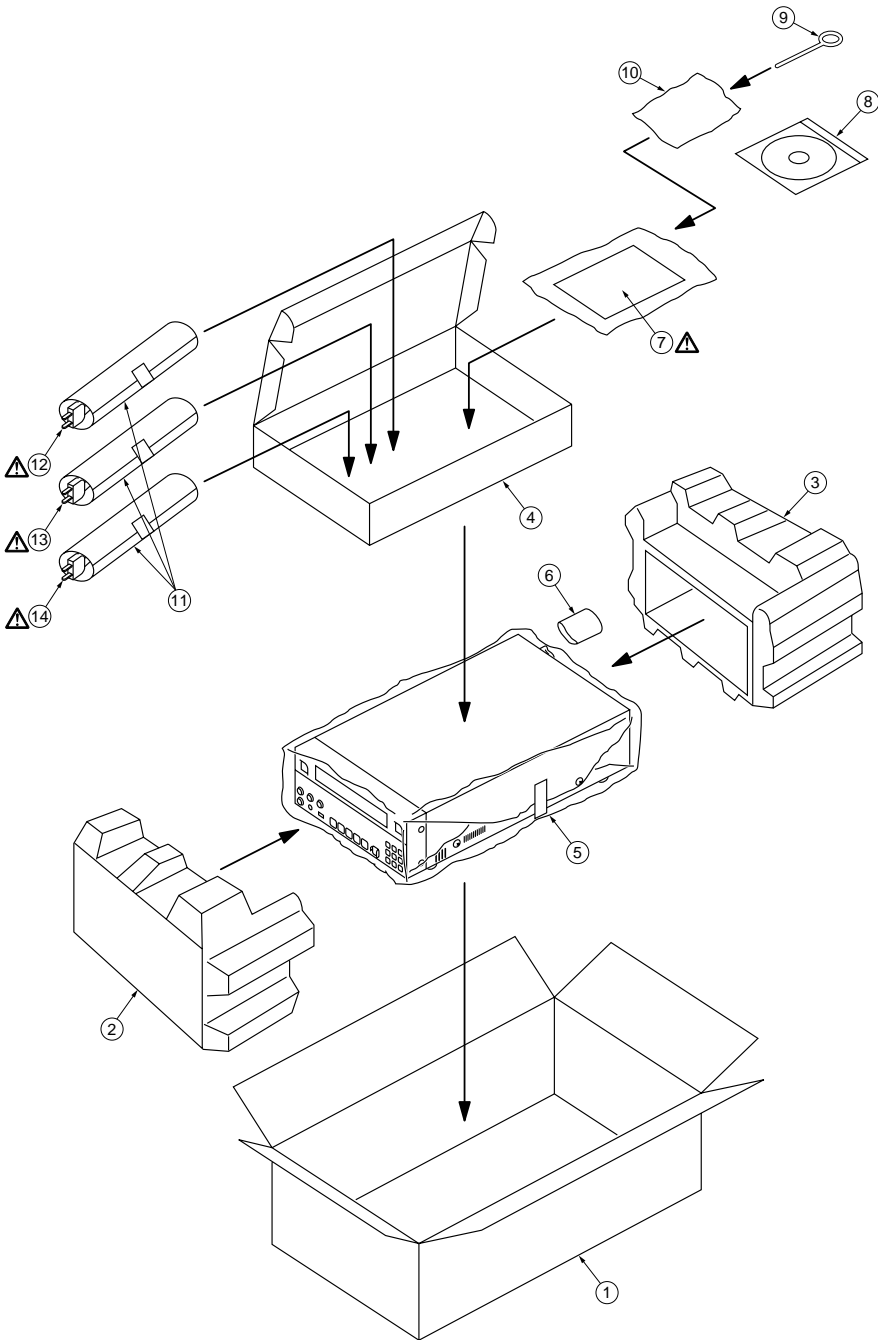


PACKING PARTS ASSEMBLY















Components identified with the mark  have the special characteristics for safety. When replacing any of these components, use only the same type.


Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG0W60	PACKING CASE	1	FOR LQ-MD800P					
1	VPG0W61	PACKING CASE	1	FOR LQ-MD800E					
2	VPN6127	CUSHION (F)	1						
3	VPN6128	CUSHION (B)	1						
4	VPN6129	ACCESSORY BOX	1						
5	VPF0884	POLYETHYLENE BAG	1						
6	VPF0892	POLYETHYLENE BAG (2)	1						
	VQT0H38	OPERATING INSTRUCTIONS	1						
	VYQ3155	OPERATING INSTRUCTIONS	1	(CD-ROM)					
9	JZS0484	EJECT PIN	1						
10	VPF1016	POLYETHYLENE BAG	1						
11	VPF0136	CORD SHEET	1						
	VJA0796	POWER CODE	1	FOR LQ-MD800P					
	VJA0738	POWER CODE	1	FOR LQ-MD800E					
	VJA0746	POWER CODE	1	FOR LQ-MD800E					

PACKING PARTS ASSEMBLY



ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
 E1	VEP06F54A	MAIN P.C.BOARD	1	(RTL)	C3046	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
 E2	VEP001C3A	DRIVE CONNECTION P.C.B.	1	(RTL)	C3048-50	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
 E3	VEP001C5A	DV JACK P.C.BOARD	1	(RTL)	C3052-54	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
 E4	VEP06F58A	LCD P.C.BOARD	1	(RTL)	C3056	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E5	VEP06F56A	FRONT P.C.BOARD	1	(RTL)	C3058,59	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
 E6	VEP06F57A	EJECT P.C.BOARD	1	(RTL)	C3062	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
 E7	VEP04853A	MIC JACK P.C.BOARD	1	(RTL)	C3067	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
 E8	VEP04852A	REAR JACK P.C.BOARD	1	(RTL)	C3068	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
 E9	VEP01942A	POWER 1 P.C.BOARD	1	(RTL)	C3069,70	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
 E10	VEP01943A	POWER 2 P.C.BOARD	1	(RTL)	C3072	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E11	VEP01944A	POWER 3 P.C.BOARD	1	(RTL)	C3074	ECJ1VB1C473K	C.CAPACITOR CH 16V 0.047U	1	
 E12	VVRDDK002P	DIGITAL P.C.BOARD	1	(RTL)FOR LQ-MD800P	C3075	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E12	VVRDDK002E	DIGITAL P.C.BOARD	1	(RTL)FOR LQ-MD800E	C3077	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3078	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
					C3080	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
					C3084	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
					C3090	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
					C3092	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
					C3093	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3094	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
					C3095,96	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
					C3101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C4001,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
					C4003-05	EEHPC100R	E.CAPACITOR 16V 10U	3	
					C4006	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
					C4007	EEHPC100R	E.CAPACITOR 16V 10U	1	
					C4008	EEHBC1220R	E.CAPACITOR 16V 22U	1	
					C4009	EEHBC1C100	E.CAPACITOR 16V 10U	1	
					C4010-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C4013	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
					C4014	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C4015	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
					C4016	EEHBE1220P	E.CAPACITOR 25V 22U	1	
					C4017	EEHBC1220R	E.CAPACITOR 16V 22U	1	
					C4018	FI1H1H04A783	C.CAPACITOR CH 50V 0.1U	1	
					C4019-21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C4022,23	EEHBC1C100	E.CAPACITOR 16V 10U	2	
					C4024,25	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
					C4026,27	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
 E1	VEP06F54A	MAIN P.C.BOARD	1	(RTL)	C4028-30	EEHBC1C100	E.CAPACITOR 16V 10U	3	
					C4031	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C4032	EEHBC1C100	E.CAPACITOR 16V 10U	1	
B6651	BCR20H4	BUTTON BATTERY HOLDER	1		C4033	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
BZ6651	VSQ0813	BUZZER	1	L0DCDA000001	C4201-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
					C4204,05	EEHBC1C100	E.CAPACITOR 16V 10U	2	
					C4206	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3001	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1		C4207,08	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	2	
C3002,03	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2		C4209,10	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C3004	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C4215,16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3005	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1		C4223	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3006,07	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2		C4224	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3008	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1		C4225,26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3009	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1		C4227	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3010	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1		C4228	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3011,12	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2		C4229-31	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	3	
C3014	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1		C4232,33	EEHPLA330P	E.CAPACITOR 10V 33U	2	
C3015-18	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	4		C4234	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3019	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1		C4235,36	EEHPC100R	E.CAPACITOR 16V 10U	2	
C3020	EEHBOJ470	E.CAPACITOR 6.3V 47U	1		C4237,38	EEHPL1H10R	E.CAPACITOR 50V 1U	2	
C3021,22	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		C4239	EEHPLA330P	E.CAPACITOR 10V 33U	1	
C3023,24	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	2		C6001-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3025	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C6006	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3026	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1		C6009	EEHBE1220P	E.CAPACITOR 25V 22U	1	
C3027	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C6010	FI1H1H04A783	C.CAPACITOR CH 50V 0.1U	1	
C3029	ECJ1VC1H470J	C.CAPACITOR CH 50V 47P	1		C6011	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3030-32	EEHBOJ470	E.CAPACITOR 6.3V 47U	3		C6015	EEHBOJ470	E.CAPACITOR 6.3V 47U	1	
C3033	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1		C6016	EEHBC1220R	E.CAPACITOR 16V 22U	1	
C3035	EEHBOJ102UP	E.CAPACITOR 6.3V 1000U	1		C6020	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3036	EEHBOJ101	E.CAPACITOR 6.3V 100U	1		C6021	FI1H1H04A783	C.CAPACITOR CH 50V 0.1U	1	
C3038	EEHBOJ102UP	E.CAPACITOR 6.3V 1000U	1		C6025	EEHBC1220R	E.CAPACITOR 16V 22U	1	
C3039	EEHBOJ101	E.CAPACITOR 6.3V 100U	1		C6026,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3041	EEHBOJ102UP	E.CAPACITOR 6.3V 1000U	1		C6031	EEHBC1220R	E.CAPACITOR 16V 22U	1	
C3042	EEHBOJ101	E.CAPACITOR 6.3V 100U	1		C6032-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3043,44	EEHBOJ331P	E.CAPACITOR 6.3V 330U	2		C6035	EEHBC1220R	E.CAPACITOR 16V 22U	1	
C3045	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C6201	EEFCD1C8R2R	E.CAPACITOR 16V 8.2U	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6202	F2H1D470A004	E. CAPACITOR 20V 47U	1		C6340-43	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	4	
C6203	EEFCD0J470R	E. CAPACITOR 6.3V 47U	1		C6344	ECUX1C106KBP	C. CAPACITOR CH 16V 10U	1	
C6205	EEFCD0J470R	E. CAPACITOR 6.3V 47U	1		C6345,46	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6208	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6347	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C6209	EEHHC1C220R	E. CAPACITOR 16V 22U	1		C6352	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1	
C6210	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C6353,54	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6211	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6360	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6212	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6361	EEHHC0J101	E. CAPACITOR 6.3V 100U	1	
C6214	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C6363,64	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	2	
C6218	EEHHC0J101	E. CAPACITOR 6.3V 100U	1		C6365	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6219	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		C6601,02	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6223	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6603	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1	
C6224	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6605,06	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6225,26	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	2		C6607	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1	
C6227	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6610	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6228	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6612	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1	
C6230	EEHHC0J101	E. CAPACITOR 6.3V 100U	1		C6614	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6231	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6615	EEHHC0J470	E. CAPACITOR 6.3V 47U	1	
C6234	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6616	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1	
C6235	EEHHC1C220R	E. CAPACITOR 16V 22U	1		C6651,52	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6237	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6653	EEHHC0J101	E. CAPACITOR 6.3V 100U	1	
C6243	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		C6654	EEHHC0J470	E. CAPACITOR 6.3V 47U	1	
C6244	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		C6655-57	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	3	
C6245	EEHHC0J101	E. CAPACITOR 6.3V 100U	1						
C6247	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		D3001	MA142K	DIODE	1	
C6248	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		D4001	MA142WA	DIODE	1	
C6249	EEHHC1C220R	E. CAPACITOR 16V 22U	1		D4002	MA716	DIODE	1	
C6250,51	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	2		D4202,03	MA716	DIODE	2	
C6252	F2H1D470A004	E. CAPACITOR CH 20V 47U	1		D4204-06	MA142WA	DIODE	3	
C6253	F2H1C8200001	E. CAPACITOR CH 16V 82U	1		D6010	MA8039-L	DIODE	1	
C6254-56	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	3		D6011	MA716	DIODE	1	
C6257	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		D6201-03	SFPB-76V	DIODE	3	
C6258,59	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2		D6204	MA142WA	DIODE	1	
C6260	F1H1C104A042	C. CAPACITOR CH 16V 0.1U	1		D6270	MA720	DIODE	1	
C6261	EEHHC0J470	E. CAPACITOR 6.3V 47U	1		D6271	SFPB-76V	DIODE	1	
C6262	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		D6301	MA716	DIODE	1	
C6264	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		D6651	MA704WK	DIODE	1	
C6265	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		D6652,53	MA142K	DIODE	2	
C6266	EEHHC1C220R	E. CAPACITOR 16V 22U	1						
C6267	ECUX1A105KBV	C. CAPACITOR CH 10V 1U	1		IC3001	C92B00000377	VIDEO BUFFER	1	
C6268	EEHHC1C220R	E. CAPACITOR 16V 22U	1		IC3002	CIAB00001805	IC	1	
C6270	FK1E1050001	C. CAPACITOR CH 25V 1U	1		IC4001	NJM78L09UA	IC	1	C0CBAHC00002
C6271,72	F1H1H104A783	C. CAPACITOR CH 50V 0.1U	2		IC4002	THC4052FT	IC	1	
C6273	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		IC4003	NJM79L09UA	IC	1	C0CABBFB00001
C6274	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1		IC4004	COABBB000184	IC	1	
C6275	ECUM1E224KBN	C. CAPACITOR CH 25V 0.22U	1		IC4005	C0CBBD000004	IC	1	
C6276	ECUX1C105KBN	C. CAPACITOR CH 10V 1U	1		IC4006,07	COABBB000184	IC	2	
C6277	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1		IC4008	C0CBBD000004	IC	1	
C6278	F2H1D470A004	E. CAPACITOR CH 20V 47U	1		IC4009,10	COABBB000184	IC	2	
C6279	F2H0J2210003	E. CAPACITOR CH6.3V 220U	1		IC4201,02	COABBB000184	IC	2	
C6280	EEFCD0J470R	E. CAPACITOR 6.3V 47U	1		IC4203	C0JBAS0000075	IC	1	
C6281	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	1		IC4205-07	COABBB000184	IC	3	
C6301,02	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2		IC4209	C0JBAS0000075	IC	1	
C6303	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	1		IC4210	COABBB000184	IC	1	
C6304-06	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	3		IC6002	NJM431U	IC	1	C0DBEZC00003
C6308	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		IC6003	COJBAN000108	IC	1	
C6310	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	1		IC6005,06	TVHT374FT	IC	2	
C6311	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1		IC6009	COABBA0000071	IC	1	
C6312	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6010	COJBAB000135	IC	1	
C6313	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1		IC6011	COABBA0000071	IC	1	
C6316,17	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	2		IC6012	NJM78L09UA	IC	1	C0CBAHC00002
C6318	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1		IC6013	NJM79L09UA	IC	1	C0CABBFB00001
C6319	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6201	C0DBZHE00014	IC	1	
C6320	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1		IC6202	C0DBZFG00002	IC	1	
C6321	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1		IC6203	C0DBZHE00014	IC	1	
C6322-24	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	3		IC6205	C0DBZFG00012	IC	1	
C6326-29	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	4		IC6206	C0DBZHG00012	IC	1	
C6330	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6207	C0DBZGG00010	IC	1	
C6331	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		IC6208	C0DBZHE00014	IC	1	
C6332	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6209	C0DBAZF00003	IC	1	
C6334	ECJ1VC1H220J	C. CAPACITOR CH 50V 22P	1		IC6210	C0DBZGG00010	IC	1	
C6335	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6211	C0DBZHE00014	IC	1	
C6336	ECJ1VC1H220J	C. CAPACITOR CH 50V 22P	1		IC6270	C0DBAGH00030	IC	1	
C6337	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1		IC6301	C0EBE0000233	IC	1	
C6339	ECUX1C106KBP	C. CAPACITOR CH 16V 10U	1		IC6302	C0ZBZ0000837	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6303	C0EBF0000182	IC	1		Q3006	2SB1218A-R	TRANSISTOR	1	
IC6313	C0JBAB000553	IC	1		Q3007,08	2SD1819A-R	TRANSISTOR	2	
IC6315	C0JBAB000282	IC	1		Q4001-03	2SD1819A-R	TRANSISTOR	3	
IC6316	C3ZBF0000011	IC	1		Q4201	2SB1218A-R	TRANSISTOR	1	
IC6317	TC7S2126FU	IC	1		Q4202-06	2SD1328-S	TRANSISTOR	5	
IC6320	C0EBE00000130	IC	1		Q6201	B1DHED000008	TRANSISTOR	1	
IC6601	C0JBAB0001121	IC	1		Q6270,71	B1DFFD000006	FET	2	
IC6603-05	TVHT541FT	IC	3		Q6651-53	2SD1819A-R	TRANSISTOR	3	
IC6606	C0DBZHE000014	IC	1						
IC6611	TC7S2126FU	IC	1		QR3001-05	UNR521300L	TRANSISTOR	5	
IC6651	C0BBBA0000030	IC	1		QR3006,07	UNR521100L	TRANSISTOR	2	
					QR3008	UNR521300L	TRANSISTOR	1	
ID6309	VVVS14199C	SOFTWARE	1	DOWNLOAD ONLY	QR3009	UNR521100L	TRANSISTOR	1	
					QR4001-03	UNR521100L	TRANSISTOR	3	
IP6309	C2CBJH000056	IC	1		QR4201-06	UNR521100L	TRANSISTOR	6	
					QR6010	UNR521100L	TRANSISTOR	1	
J6201,02	K4CD01000007	CABLE TERMINAL	2		QR6202-06	UNR521100L	TRANSISTOR	5	
J6203	VJR1008	CABLE TERMINAL	1		QR6301	UNR521400L	TRANSISTOR-RESISTOR	1	
J6204,05	K4CD01000007	CABLE TERMINAL	2		QR6302,03	UNR511200L	TRANSISTOR	2	
J6207	K2HZ104B0006	JACK	1		QR6601	UNR521400L	TRANSISTOR-RESISTOR	1	
J6208-11	K4CD01000007	CABLE TERMINAL	4		QR6602	UNR511400L	TRANSISTOR-RESISTOR	1	
J6301	VJJ0526	JACK	1	#2HC103B0047	QR6651	UN5212	TRANSISTOR-RESISTOR	1	
J6302	K1FA104B0011	CONNECTOR (MALE)	1		QR6652	UNR511200L	TRANSISTOR	1	
L3001	VLQ0163J120	COIL 12UH	1	G1C120J00001	R3001-05	ERJ3RBD561	M.RESISTOR CH 1/16W 560	5	
L3002,03	VLQ0163J6R8	COIL 6.8UH	2	G1C6R8J00007	R3006	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L3004	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004	R3007	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L3005	VLQ0163J120	COIL 12UH	1	G1C120J00001	R3008,09	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
L3006	VLQ0163J220	COIL 22UH	1		R3011-13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
L3007-10	VLQ0163J120	COIL 12UH	4	G1C120J00001	R3014	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
L3011	VLQ0163J220	COIL 22UH	1		R3015-17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
L3012,13	VLQ0163J4R7	COIL 4.7UH	2	G1C4R7J00004	R3018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L3014,15	J0JHC0000032	FILTER	2		R3019	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
L3016-18	VLQ0163J4R7	COIL 4.7UH	3	G1C4R7J00004	R3020,21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
L3019,20	J0JHC0000032	FILTER	2		R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
L4001,02	J0JHC0000032	FILTER	2		R3023,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
L4003	J0JCC0000063	FILTER	1		R3025,26	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L4005,06	J0JCC0000063	FILTER	2		R3027,28	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
L4008	J0JCC0000063	FILTER	1		R3029,30	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L4010	J0JCC0000063	FILTER	1		R3031,32	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
L4011	J0MAB0000155	FILTER	1		R3033,34	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L4012,13	J0JHC0000032	FILTER	2		R3035,36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
L6002,03	J0JHC0000032	FILTER	2		R3037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
L6004,05	J0JCC0000063	FILTER	2		R3038,39	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L6014	J0JHC0000032	FILTER	1		R3041	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6015-17	J0JCC0000063	FILTER	3		R3043	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6201-04	VLP0183	COIL	4	J0JKC0000007	R3048	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6206,07	J0JHC0000032	FILTER	2		R3052	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
L6209	G1A330F00004	COIL 33UH	1		R3053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6210	G1A680E00002	COIL 68UH	1		R3054	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6211	G1A330F00004	COIL 33UH	1		R3056	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6212,13	J0JHC0000032	FILTER	2		R3057	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6270	J0JBC0000023	FILTER	1		R3061,62	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
L6271	G1A4R7H00002	COIL 4.7UH	1		R3081	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6272	J0JKC0000009	FILTER	1		R3082	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6273	VLQ0859M220	COIL 22UH	1		R3083	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6274	G1A4R7H00002	COIL 4.7UH	1		R3087	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L6301	J0JHC0000032	FILTER	1		R3088,89	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
L6302	J0MAB0000140	FILTER	1		R3094	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
L6303	J0JHC0000032	FILTER	1		R3096	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
L6305-08	J0JHC0000032	FILTER	4		R3098	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
					R3099	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
P4001	K1KA05A00235	CONNECTOR (MALE)	1		R4001	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
P4002	K1KA08A00301	CONNECTOR (MALE)	1		R4003,04	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	2	
P6003	VJS3791B030	CONNECTOR (FEMALE)	1		R4005	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
P6201,02	K1KB20B00033	CONNECTOR (FEMALE)	2		R4006	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
P6203	VJF3926B022	CONNECTOR (MALE)	1		R4008	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
P6204-06	K1KA30A00204	CONNECTOR (MALE)	3		R4009,10	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	2	
P6208	VJF3172D005	CONNECTOR (MALE)	1	K1KA05B00053	R4013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
P6301	VJS3365B009	CONNECTOR (FEMALE)	1	K1FB209B0009	R4015	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
P6302,03	VJF3950A006	CONNECTOR (MALE)	2		R4016,17	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
					R4019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
Q3001	2SC3930	TRANSISTOR	1		R4021,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
Q3002-04	2SB1218A-R	TRANSISTOR	3		R4023	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
Q3005	2SA1532-B	TRANSISTOR	1		R4025	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

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R4026	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6225	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4027	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1		R6226	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4029	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R6229,30	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4030	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1		R6231	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R4032,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6232	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4034,35	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	2		R6233	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4036,37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6270-72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4038,39	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2		R6273	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4040,41	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2		R6274	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4042,43	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R6275	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4044,45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6276	VRE0202H15M	M.RESISTOR CH	100K	1
R4046	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1		R6278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2		R6279	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4049,50	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	2		R6281,82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002	R6301	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R4204-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4		R6304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4208	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R6305	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6307	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4211,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6311	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4213,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6312	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4215,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002	R6314	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4217,18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2		R6318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R6321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4221,22	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	2		R6322,23	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	2	
R4223-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	6		R6324	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4229	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R6325,26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4230-34	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	5		R6327	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4235,36	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	2		R6328-30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4237,38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6331	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4239	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1		R6332-34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4240,41	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		R6335	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4242,43	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R6336	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4244-46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3		R6337	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4247,48	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2		R6338	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4249	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1		R6339,40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB10










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R6406,07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		U2002	VWJ40E5080A1	FLEX. CABLE	1	
R6408	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6410,11	ERJ3GEVJ223	M.RESISTOR CH 1/16W 22K	2						
R6412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6413-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002					
R6416,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2						
R6418	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R6419	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		■ E3	VEP001C5A	DV JACK P.C.BOARD	1	(RTL)
R6420	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1						
R6421	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R6423	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1		P3901	K1KA08B00235	CONNECTOR (MALE)	1	
R6424	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		P3902	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
R6601	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1						
R6602	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		U3901	VEE0232	DV CABLE	1	
R6603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1						
R6604	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1						
R6605	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1						
R6606	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002					
R6607	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1						
R6609	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		■ E4	VEP06F58A	LCD P.C.BOARD	1	(RTL)
R6610	D1H84704A008	COMBI.R-R	47	1					
R6611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6612	D1H84704A008	COMBI.R-R	47	1					
R6613-15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3		C6501-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
R6616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6505	ECUX1A105KEV	C.CAPACITOR CH 10V 1U	1	
R6618-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5		C6506	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R6623	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6508	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
R6627	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6510	ECUX1A105KEV	C.CAPACITOR CH 10V 1U	1	
R6637	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C6514,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
R6638	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C6516	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
R6639	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		C6517-20	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
R6640	D1H84704A008	COMBI.R-R	47	1					
R6643	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		D6504	B3ACB0000013	LED	1	
R6644	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		D6505,06	LN1351C	DIODE	2	
R6645	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1						
R6646	ERJ8GEYJ331	M.RESISTOR CH 1/8W 330	1		DP6501	L5ACAKC00002	LCD PANEL	1	
R6648	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R6649	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		IC6501,02	C0JBAQ000168	IC	2	
R6651	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		IC6503	C0HBA0000152	LCD DRIVER	1	
R6652	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1						
R6653-55	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	3		JP6501,02	K4ZZ01000199	TERMINAL	2	
R6656	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1						
R6657,58	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	2		L6501-03	J0JCC0000063	FILTER	3	
R6660	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1						
R6661	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1		P6501	K1KB40A00013	CONNECTOR (FEMALE)	1	
R6662,63	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2		P6502	VJP3950F003	CONNECTOR	1	
R6664	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1						
R6665	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	QR6501-07	UNR521400L	TRANSISTOR-RESISTOR	7	
R6666	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		QR6511-13	UNR521400L	TRANSISTOR-RESISTOR	3	
R6667	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1						
					R6501-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
SW6302	VSS0367-06B	SWITCH	1	K0D161A00001	R6513	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
					R6515	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
TG3001	EYF6CU	TEST POINT	1		R6517-26	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
TG4001	EYF6CU	TEST POINT	1		R6530	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG6201-05	EYF6CU	TEST POINT	5		R6531	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
					R6535-37	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	3	
U6301	VEE0227	CABLE 1	1		R6538,39	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
U6651	CR2032	BATTERY	1		R6540	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
X6301	H0J160500045	CRYSTAL OSCILLATOR	1		TG6501	EYF6CU	TEST POINT	1	
X6302	H1Z3272B0006	CRYSTAL OSCILLATOR	1						
							MISCELLANEOUS		
						VJF1487	LCD HOLDER R	1	
						VJF1488	LCD HOLDER L	1	
						A4LZFC000003	BACK LIGHT	1	
■ E2	VEP001C3A	DRIVE CONNECTION P.C.B.	1	(RTL)					
P2001	K1KB40A00118	CONNECTOR (FEMALE)	1		■ E5	VEP06F56A	FRONT P.C.BOARD	1	(RTL)
P2003	K1MN40B00027	CONNECTOR	1						
R2002-09	D1H8R0040001	COMBI.R-R	0	8					
R2010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C4701-05	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	5	

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C4706,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		R4901	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4708,09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		R4902,03	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	2	
C6750,51	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		R4904	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
D6701-17	MA142K	DIODE	17		R4905	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
IC4700	C0ABB000184	IC	1		U4901	VEE0Z07	POWER CABLE U	1	
J4701	VJJ0571	JACK	1		U4902	VEE9862	EARTH CABLE	1	
L4702-05	J0JCC0000063	FILTER	4				MISCELLANEOUS		
P4701	VJP3950F008	CONNECTOR (MALE)	1			VMP7875	MIC ANGLE	1	
P6751	K1KB40A00106	CONNECTOR (FEMALE)	1						
P6752	K1MN30B00085	CONNECTOR	1						
Q4701,02	2SD1328-S	TRANSISTOR	2						
R4701,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		■ E8	VEP04852A	REAR JACK P.C.BOARD	1 (RTL)	
R4703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2						
R4705,06	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2		C4801-05	D4ED1220A006	VARISTOR	5	
R4707,08	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2		C4806-09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
R6701-07	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	7		C4811	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
SW6701,02	VSP0864A000	SWITCH	2	K0F111A00243	C4826	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
SW6703,04	VSP0853A000	SWITCH	2	K0F111A00235	C4828-37	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	10	
SW6705	K0F111A00464	SWITCH	1		D4801	MA157A	DIODE	1	
SW6706	VSP0864A000	SWITCH	1	K0F111A00243	D4806,07	MA157A	DIODE	2	
SW6707	VSP0864E000	SWITCH	1	K0F111A00275	D4809-11	MA157A	DIODE	3	
SW6708-10	VSP0853A000	SWITCH	3	K0F111A00235	J4801	K2HA308A0001	JACK	1	
SW6711	VSP0864A000	SWITCH	1	K0F111A00243	J4802	K2HA205A0004	JACK	1	
SW6712-14	VSP0853A000	SWITCH	3	K0F111A00235	J4803	K1QBB1AA0011	CONNECTOR (FFMALE)	1	
SW6715	VSP0864A000	SWITCH	1	K0F111A00243	J4804,05	K4BA04A00002	TERMINAL	2	
SW6716	VSS0250	SWITCH	1	K0D112A00104	J4807	YWP2284	CONNECTOR	1	
TG6751	EYP6CU	TEST POINT	1		J4808	K1QBB1AA0011	CONNECTOR (FFMALE)	1	
U4701	VEE0Z06	LINE INPUT CABLE	1		L4801	J0JCC0000063	FILTER	1	
U6751	VWJ1688	FRONT CABLE	1		L4803-11	J0JCC0000063	FILTER	9	
VR4701	D2BGC24Z0001	V.RESISTOR 20K	1		L4813-16	J0JCC0000063	FILTER	4	
VR4702,03	D2BEA5310002	V.RESISTOR 5K	2		L4820	J0JCC0000063	FILTER	1	
					P4801,02	K1KA20B00113	CONNECTOR (MALE)	2	
					Q4801	2SB1218A-R	TRANSISTOR	1	
■ E6	VEP06F57A	EJECT P.C.BOARD	1 (RTL)		R4802-06	ERJ3RED750	M.RESISTOR CH 1/16W 75	5	
SW6801	K0F111A00379	SWITCH	1		R4808,09	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
U6801	VWJ04D5020AA	FLEX. CABLE	1		R4811	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
					R4814,15	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
					R4816	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
					R4817	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
					R4819	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
■ E7	VEP04853A	MIC JACK P.C.BOARD	1 (RTL)						
C4901-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	3		■ E9	VEP01942A	POWER 1 P.C.BOARD	1 (RTL)	
C4904	EEHBB1C100	E.CAPACITOR 16V 10U	1						
C4905	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1		△ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
C4906	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1		△ F1001,02	VSF0106C25H	FUSE	2	
C4907,08	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2		FH1001-04	EYF52BC	FUSE HOLDER	4	
IC4901	C0ABB000184	IC	1		△ L1001	ELF19N010A	COIL 1UH	1	
J4901	K2HC103B0155	JACK	1		L1002,03	VLP0083	COIL	2	J0JKB0000011
L4901	J0JCC0000063	FILTER	1		△ P1001	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
L4903	J0JCC0000063	FILTER	1		P1002	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
P4901	VJP3950F005	CONNECTOR (MALE)	1		△ R1001	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
 SW1001	K0ADKP000003	POWER SWITCH	1		C1208	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	1	
U1001	VEE8828	CABLE	1		C1212	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	1	
					C1215-17	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	3	
					C1219,20	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	2	
					C1222-26	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	5	
					C1232-34	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
					C1235,36	ECA1CHG101	E.CAPACITOR 16V 100U	2	
					C1237	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 E10	VEP01943A	POWER 2 P.C.BOARD	1 (RTL)		C1301	ECA1EHG470	E.CAPACITOR 25V 47U	1	
					C1302-05	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	4	
					C1306,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
 C1101,02	ECQU2A224ML	P.CAPACITOR 100V 0.22U	2		C1308	ECA1HHG100	E.CAPACITOR 50V 10U	1	
 C1103,04	VCK0262K221A	C.CAPACITOR 220P	2	F1BAH2210001	C1309	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
 C1106	F1BAH331A004	C.CAPACITOR 330P	1		C1310	ECA1EHG470	E.CAPACITOR 25V 47U	1	
C1107	EETHC2W221K	E.CAPACITOR 450V 220U	1		C1311	ECA1HHG3R3	E.CAPACITOR 50V 3.3U	1	
C1108	EEUEB1H470B	E.CAPACITOR 50V 47U	1		C1312	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1109,10	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2		C1313	ECA1HHG100	E.CAPACITOR 50V 10U	1	
C1112	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1		C1314	ECA1CHG101	E.CAPACITOR 16V 100U	1	
C1114,15	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2		C1315	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1116	VCEA1A221	E.CAPACITOR 10V 220U	1	F2D1A2210001					
C1117	EEUFC1E331	E.CAPACITOR 25V 330U	1		D1203	MA152WA	DIODE	1	
C1118,19	EEUFC1A331	E.CAPACITOR 10V 330U	2		D1207,08	DE5SC4M-4061	DIODE	2	B0JDR0000001
C1121,22	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2		D1212,13	DE5SC4M-4061	DIODE	2	B0JDR0000001
 C1123	F1BAH331A004	C.CAPACITOR 330P	1		D1214	SFPB-76V	DIODE	1	
C1127	EEUEB1H1R0SB	E.CAPACITOR 50V 1U	1		D1301	MA152WK	DIODE	1	
C1128,29	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2		D1305	MA152K	DIODE	1	
C1130-32	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3		D1306	MA152WA	DIODE	1	
					D1307	MA8062-M	DIODE	1	
D1101	D3SBA60	DIODE	1	B0EBNR000007	D1309	MA152K	DIODE	1	
D1102,03	B0ECKR000003	DIODE	2		D1310	MA152WK	DIODE	1	
D1104	SFPL-52	DIODE	1		D1311	MA8180-M	DIODE	1	
D1105,06	MA152K	DIODE	2		D1312,13	MA8082-H	DIODE	2	
					D1315,16	MA152WK	DIODE	2	
IC1101	C0DBZGH00001	IC	1		D1317	MA8051-M	DIODE	1	
IC1102	M51945BL	IC	1	C08EAB0000004	D1318	MA8062-M	DIODE	1	
 IC1103	ETXMM490X4C	POWER MODULE	1		D1320,21	MA152K	DIODE	2	
JP1101-04	VJR1008	EARTH LUG	4		D1322	MA720	DIODE	1	
					D1323	MA152K	DIODE	1	
 L1101,02	ELF19N010A	COIL 1UH	2		IC1301	AN1431M	IC	1	
L1103	J0JTK00000009	FILTER	1		IC1302	C0BBBA0000019	IC	1	
L1108-10	VLQ0655M3R3	COIL 3.3UH	3						
					JP1201-04	VJR1008	EARTH LUG	4	
P1101	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104	L1201	G1C100KA0002	COIL 10UH	1	
					L1203	VLQ0655K220	COIL 22UH	1	
 PC1101	PC1111Y1	PHOTO COUPLER	1		L1301	G1C100KA0002	COIL 10UH	1	
R1101	ERUSTEK2R2	F.RESISTOR 5W 2.2	1		P1201	K1KA10A00217	CONNECTOR (MALE)	1	
R1102,03	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GDD221JA003	P1202	VJP3926B022	CONNECTOR (MALE)	1	
R1104-07	ERJ12NF1503	M.RESISTOR CH 1/2W 150K	4		P1203	K1KA04B000056	CONNECTOR (MALE)	1	
R1108	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1		P1207	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B000012
R1109	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1						
R1110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		Q1201	B1DHED0000008	TRANSISTOR	1	
R1111	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		Q1203	B1DHED0000008	TRANSISTOR	1	
R1112	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005	Q1205	2SD1119-R	TRANSISTOR	1	
R1120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005	Q1301-04	XN0440100L	TRANSISTOR	4	
R1121	ERJ14YJ102	M.RESISTOR CH 1/4W 1K	1		Q1305	XN4501	TRANSISTOR-RESISTOR	1	
R1122	ERJ14YJ562	M.RESISTOR CH 1/4 5.6K	1		Q1307	XN4501	TRANSISTOR-RESISTOR	1	
R1124	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1						
					QR1202	UN2211	TRANSISTOR-RESISTOR	1	
U1101	VEE0200	POWER 2 CABLE U	1		QR1204	UN2211	TRANSISTOR-RESISTOR	1	
					QR1302	UNR211L00L	TRANSISTOR-RESISTOR	1	
		MISCELLANEOUS			QR1303	UN2111	TRANSISTOR-RESISTOR	1	
					QR1304-06	UN2211	TRANSISTOR-RESISTOR	3	
 VMZ1686		CAPACITOR COVER	4		QR1307	UN2111	TRANSISTOR-RESISTOR	1	
VEE0202		AC CABLE U	1						
					R1201	ERJL1WKJ50M	M.RESISTOR CH 1W	1	
					R1202,03	ERJL1WKJ39M	M.RESISTOR CH 1W	2	
					R1207	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
					R1209	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
 E11	VEP01944A	POWER 3 P.C.BOARD	1 (RTL)		R1211	ERJ6GEYJ487	M.RESISTOR CH 1/10W 4.7K	1	
					R1213	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
C1202	ECA1CHG101	E.CAPACITOR 16V 100U	1		R1217	ERJ6GEYJ487	M.RESISTOR CH 1/10W 4.7K	1	
					R1221	ERJL1WKJ39M	M.RESISTOR CH 1W	1	

Components identified with the mark have special characteristics for safety.
When replacing any of these component, use only the same type.

[illegible]

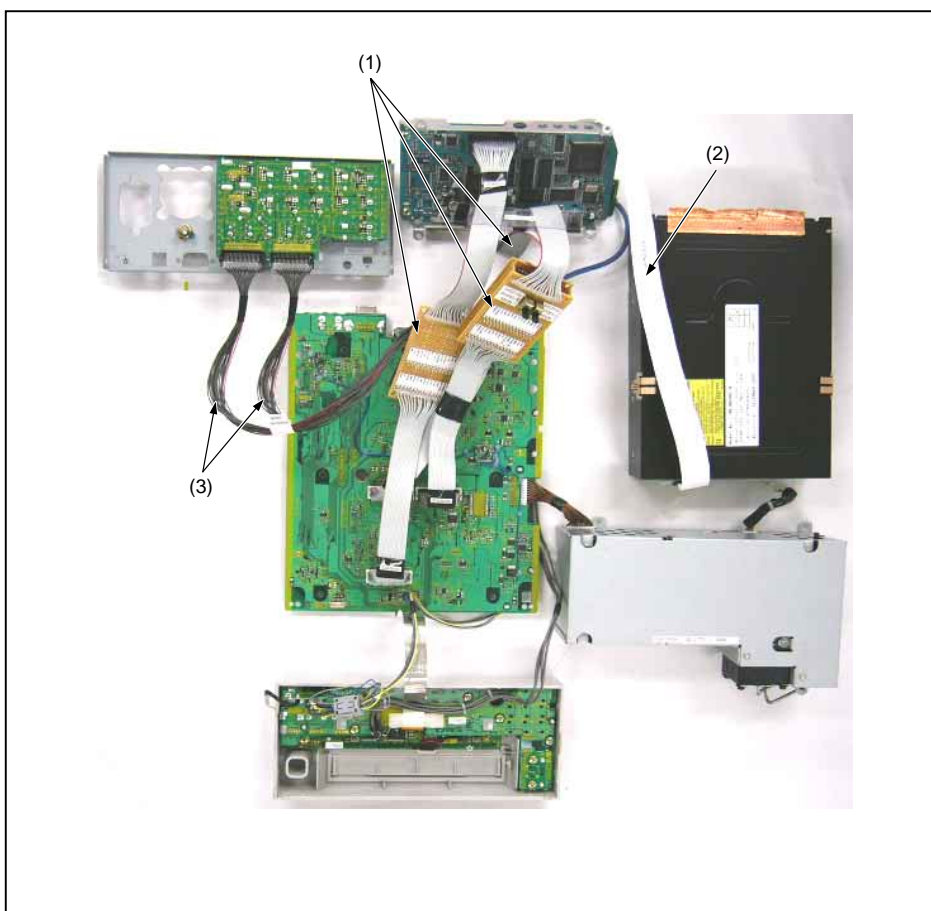
1. SERVICING FIXTURES AND TOOLS

1-1. Extension Cable for service position

Using the following Extension Cables, place the unit as shown for check and service.

Extension Cable (No.1-No.3) are used for improving serviceability. (Used only for servicing.)

No	Parts No.	NAME	CONNECTION
1	RFKZ0164	30Pin x3 Extension Cable	P9001,P9002,P9003 on Main C.B.A.-P6204,P6205,P6206 on Digital C.B.A.
2	RFKZ0125	40Pin Extension FFC	P3401 on Digital C.B.A.-P2003 on Drive connection
3	RFKZ0165	20Pin Extension Cable	P6201 on Main C.B.A.-P4801 on Rear jack C.B.A. P6202 on Main C.B.A.-P4801 on Rear jack C.B.A.



2. MAINTENANCE

Maintenance is done by periodically performing suitable maintenance service in order to maintain the functions in the best condition, so that the user can use the equipment safely. LQ-MD800 has parts that wear and their wear and deterioration may impair operation. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

2-1. Maintenance Chart

The following periodic maintenance is required to maintain product in good condition

No.	Part Name	Part No.	Replacement	Remark
1	DVD RAM Drive	RD-DKL002-M	Every 3000 hours	
2	Fan motor	L6FAHCBH0003	Every 10000 hours	
3	Lithium battery	CR2032	About 3 Years	

Note:

Replacement hours are recommendation only. Actual hours will depend on temperature, humidity or dust. Replacement hours are listed as the reference of maintenance. They do not mean guaranteed hours. HOUR METER can be reset by service mode (Refer to item in 5-2.)

Make sure to order replacement parts listed in service manual only.

3. EMERGENCY EJECT

When the tape cannot be ejected by normal operation because of trouble in the electrical system or mechanical system, the tape can be removed from the unit by using the following method.

1. Method by the operation button

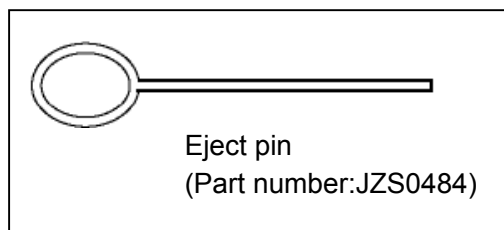
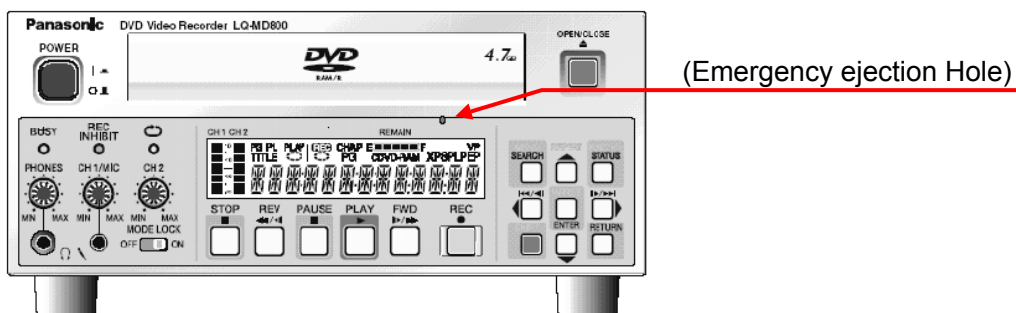
1. Press [SHIFT] and [OPEN/CLOSE] together for 5 seconds to open the tray.

NOTE: After ejecting the disc, turn the unit off and then turn it on again.

2. Method by manually

1. Make sure the unit is OFF.
2. Insert the included emergency eject pin into the emergency ejection hole, pushing horizontally 4 or 5 times.
(Turn the gear with an emergency eject pin.)
3. When the shutter opens and the tray comes out remove the pin.
4. Pull the tray out horizontally.

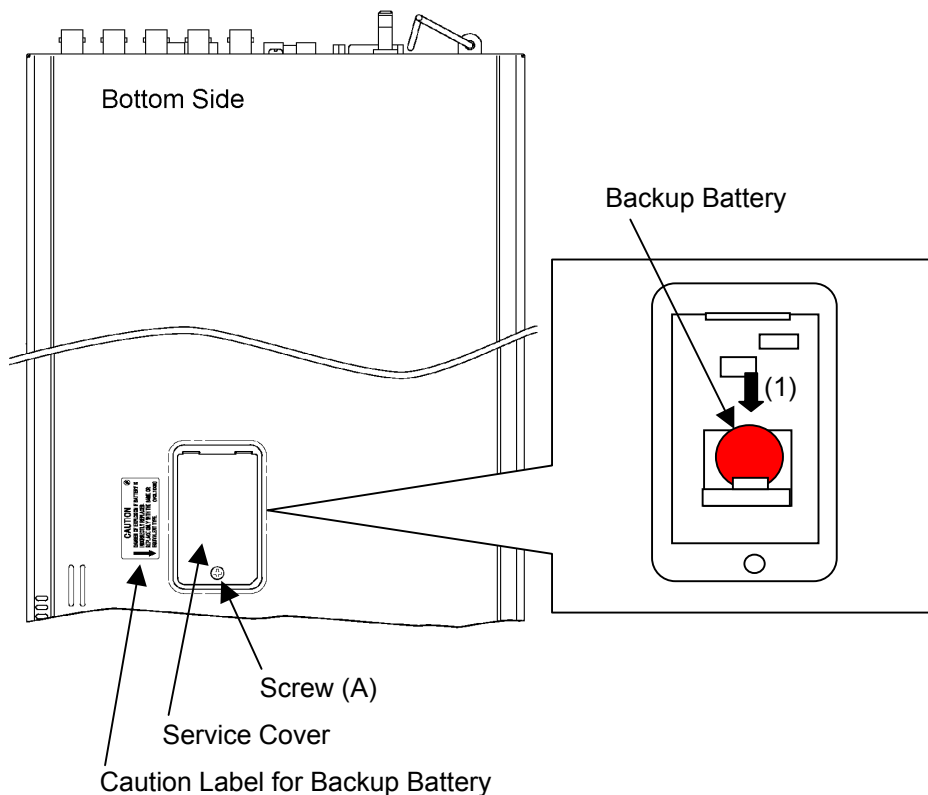
NOTE: To restore the tray, turn the unit on and press [OPEN/CLOSE].



4. LITHIUM BATTERY

4-1. Replacement Procedure

1. Unscrew the screw (A) on the bottom cover so that the service cover can be lifted up.
2. While pushing the Lithium battery “ Ref No.: U6651 / Part No.: CR2032 ” in direction of arrow (1), pulling up it with the finger.
3. Replace the new battery in the direction (+down) and close the service cover in the reverse order.



NOTE:

The battery replacement must be completed within 3 seconds, if not, the timer setting may be reset. In this case, readjust the timer again.

NOTE:

The lithium battery is a critical component.

It must never be subjected to excessive heat of discharge.

It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacture.

They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose.

It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer.

Discard used batteries according to manufacture's instructions.

5. SERVICE MENU

5-1. SERVICE MODE

The machine has a service mode which makes it possible to perform trouble diagnosis, signal control, and so on.

<Service mode setting >

1. While stop mode, press the "RETURN","OPEN/CLOSE", and "STOP" button simultaneously for five seconds.(The display in the FL display disappears.)
2. About 20 seconds later, "SERVICE MODE" appears in the FL display and service mode boots up.
3. When setting the "MODE LOCK" switch to ON, the operation button performs as the ten key.
(When setting the "MODE LOCK" switch to OFF, the operation button performs as the operation key.)
4. Executes service mode by inputting 2 digits of figures.

<Ten key correspondence button >

[REC]	[0]	▶	[6]
[SHIFT]	[1]	[SEARCH]	[7]
▼	[2]	▲	[8]
[RETURN]	[3]	[STATUS]	[9]
◀	[4]	[STOP]	[RETURN]
[ENTER]	[5]		

<Service mode cancelling >

1. Setting the "MODE LOCK" switch to OFF.
2. Press the "SHIFT and "stop" button simultaneously for five seconds. (The display in the FL display disappears.)
3. About 20 seconds later it reboots automatically by normal mode.

<Service mode >

Item		FL display	Key operation
Mode Name	Description		
Clear item	Clears the service mode to be executing	<i>SERVICE MODE</i>	[0][0] while in service mode
Error code display	FL display of the last error code.	<i>F00</i>	[0][1] while in service mode
ROM version display	The version of each microprocessor is displayed.	<i>REGION *****</i> (NOT USED) <i>MAIN *****</i> (DIGITAL ucom) <i>TIMER *****</i> (NOT USED) <i>DRIVE *****</i> (DVD DRIVE) <i>ROM *****</i> (FRONT ucom)	[0][2] while in service mode
White picture output	White picture output from AV decoder White picture (Chroma : 100%) Switching enabled by sub command "I/P switching"	<i>WITH I</i>	[1][1] while in service mode
		<i>WITH P</i>	[0][0] while in white picture mode. *I-P toggle switched

Item		FL display	Key operation
Mode Name	Description		
Magenta picture output	Magenta picture output from AV decoder Magenta picture (Chroma : 100%) Switching enabled by sub command "I/P switching"	MAGE I	[1][2] while in service mode
		MAGE I	[1][4] while in white picture mode. *I-P toggle switched
RTSC return XP (A&V)	Disk recording of input Encoded and decoded for external output without playback. REC mode is XP.	EE2 I XP 48	[1][3] while in service mode
		EE2 PXP 48	[1][4] while in RTSC return XP mode *I-P toggle switched
		EE2 I XP 44	[2][4] while in RTSC return XP mode *48k-44.1k toggle switched
I/P switching	"Interlace" and "Progressive" are switched. Initial setting is "Interlace".	SERVICE I	[1][4] while in service mode
		SERVICE P	
Audio mute	Check whether mute is applied normally by Front microprocessor.	MAIN MUTE	[2][1] while in service mode
Audio pattern output	The audio pattern stored in the internal memory is output (1kHz-18dB)	AUDIO 48	[2][2] while in service mode
		AUDIO 44	[2][4] while in service mode
Laser use time display	To check laser use time of drive	LASER *****	[4][1] while in service mode
Drive last error display	Drive unit error code display.	** ***** ** ** **	[4][2] while in service mode
Laser error count	The number of times that a laser error has occurred due to a defective disc or defective drive is counted and displayed.	LASERERR **	[4][3] while in service mode
Factors which cause drive error	The disc condition is displayed when an error occurs.	INFO *****	[4][4] while in service mode
Disc manufacture ID	Display the manufacture's ID for a disc on which a drive error has occurred.	*****	[4][5] while in service mode
Tray OPEN/CLOSE	The drive tray is opened and closed repeatedly	CYCLE ****	[9][1] while in service mode
Error code initialization	Initializes the error code which is memorized last at the memory.	ERROR INT	[9][8] while in service mode

5-2. HOUR METER Information Display

1. Press the “SHIFT”, “PAUSE”, “PLAY” and “FWD” button simultaneously and hold for five seconds. (The display in the FL display disappears.)
2. The display switches each hour information every time press “▼” or “▲” button.
3. When the “SHIFT”, “PAUSE”, “PLAY” and “FWD” button press again, it returns to normal mode.

FL display	Information	Description
TV	NTSC/PAL	Display the TV SYSTEM.
OPR	*****H	Display the operation time.
SPIN	*****H	Display the Spindle motor drive time.
LASER	*****H	Display the laser irradiation time.
REC	*****H	Display the recording time.
PLAY	*****H	Display the Spindle playing time.
TRAY	*****	Display the number of times opening and closing of the tray.
1394	MDVS/OLY	Display the 1394 command mode.

5-2-1. How to reset Hour Meter

By using EVR adjustment software, the time information except the operation time can be reset.
For the procedure to set the EVR adjustment software, refer to the item of the electrical adjustment.

Reset the following command by inputting it to the “TX Date” in the EVR adjustment software.

Input command **\$LH:DRT**

6. SOFTWARE

6-1. Software Version Display

1. Press the "SHIFT", "STOP", "REV" and "PAUSE" button simultaneously for five seconds. Version display can be displayed.
2. The alternate indication of the version number of DIGITAL and FRONT microprocessor, while continuing to press the button.

Display	Name	Board
D ***_*****	DIGITAL microprocessor	DIGITAL C.B.A.
F ***_*****	FRONT microprocessor	MAIN C.B.A.

6-2. Version Upgrade Method

6-2-1. DIGITAL Microprocessor Version Upgrade

The microprocessor on the DIGITAL circuit board has built-in flash memory. Upgrade the software version according to the following procedure.

A. Preparation

CD-ROM for version upgrade: VFK

B. Version upgrade procedure

1. Turn on the power and insert the upgrade disk in the tray.
2. It starts upgrade processing automatically.
3. When the upgrading completes, because tray opens automatically, remove the CD-ROM for version upgrade.
4. **Press the "SHIFT" and "STOP" button simultaneously for five seconds.** (Reboots automatically by normal mode.)

6-2-1. FRONT Microprocessor Version Upgrade

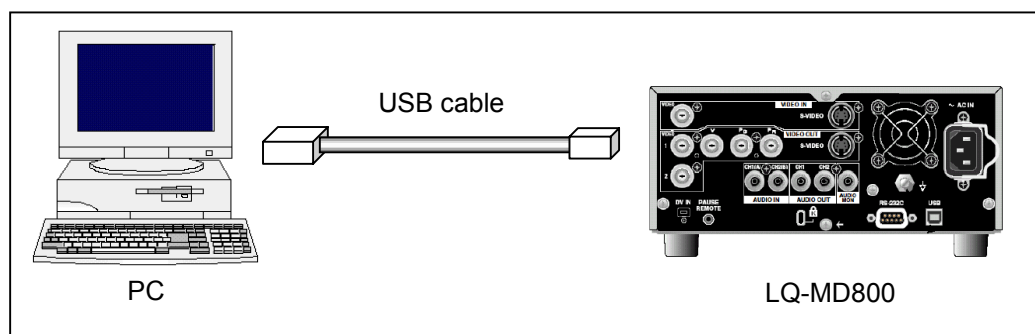
The microprocessor on the FRONT circuit board has built-in flash memory. Version upgrade the software according to the following procedure.

A. Preparation

ITEM	REMARK
USB cable	AB Type
Version Upgrade Software	USB Flash Writer GUI:Flash-over-USB Ver.2.03(1.69MB) (Please access to http://www.renesas.com/eng/products/mpumcu/16bit/m16c/m3a0665/0665e.htm)
File NAME	mof File (Included in "vvvsi xxxx" file).
Personal Computer	WINDOWS 98SE / ME / 2000 / XP

B. Connection

1. Connect the USB Cable between USB terminal on the LQ-MD800 and Personal Computer (USB port).
2. Remove the service cover and set the DIP SW6302-3 to on.
3. Turn on this model and Personal Computer (Windows mode).



C. Boot up the Ver. up Software and Ver. up Procedure

1. From the Start menu, choose Programs -- Renesas-Tools -- Flash-over-USB V. *. ** to start the FoUSB. When the FoUSB starts, the dialog box shown in Figure 6-1 appears.



Fig.6-1 Main window

2. When you press the “Select MCU” button, the window shown in Figure 6-2 is displayed. Select “M16c20 Series” – “M30245FC” and click “OK” button.

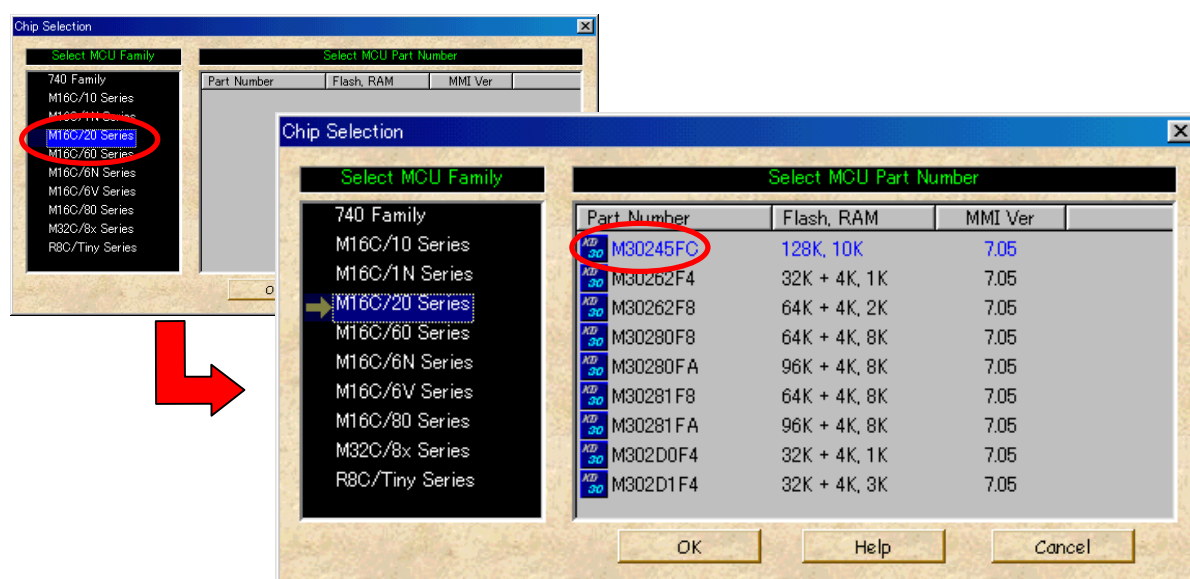


Fig.6-2

3. The ID cord is automatically read in, the message shown in Figure 6-3 is displayed. Press the “OK” button.



Fig.6-3

4. On the Main window, press the “OPEN2 button, and the window shown in Fig.6-4 will appear.
5. Select the floppy drive and then select the “**not format file**” and then press the “**Open**” button.

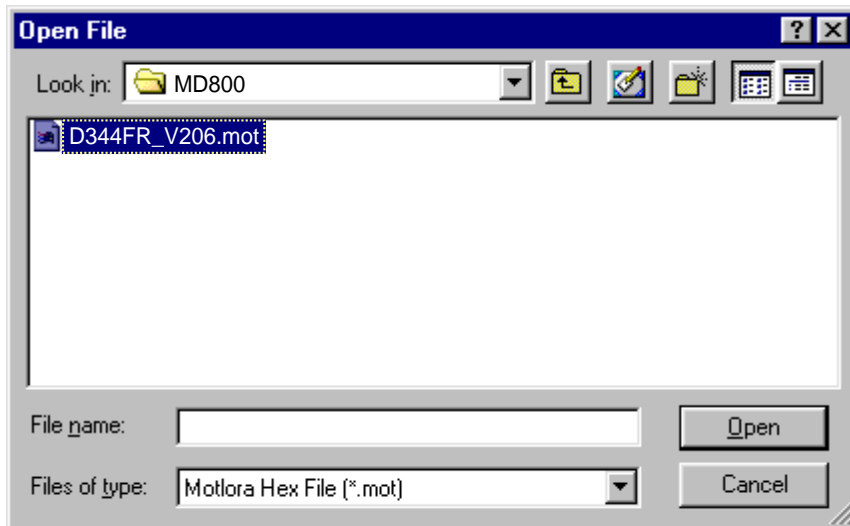


Fig.6-4

6. On the Main window, press the “OPEN button, press the “PROGRAM” button, and the window shown in Fig.6-5 will appear.
7. Select the “Erase -> Program -> Verify” and “Erase Only Needed Blocks” button and click the “Program” button, so program starts.

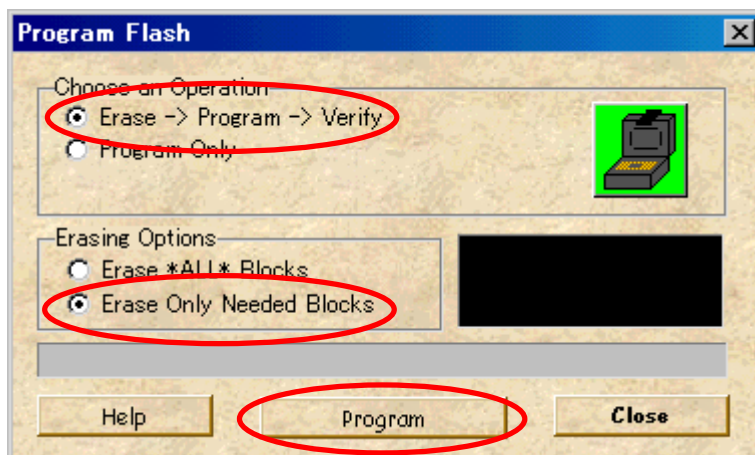


Fig.6-5

8. When the program has finished writing the software, the window shown in Fig.6-6 is displayed. So press the “OK” button.

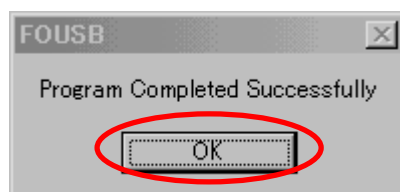
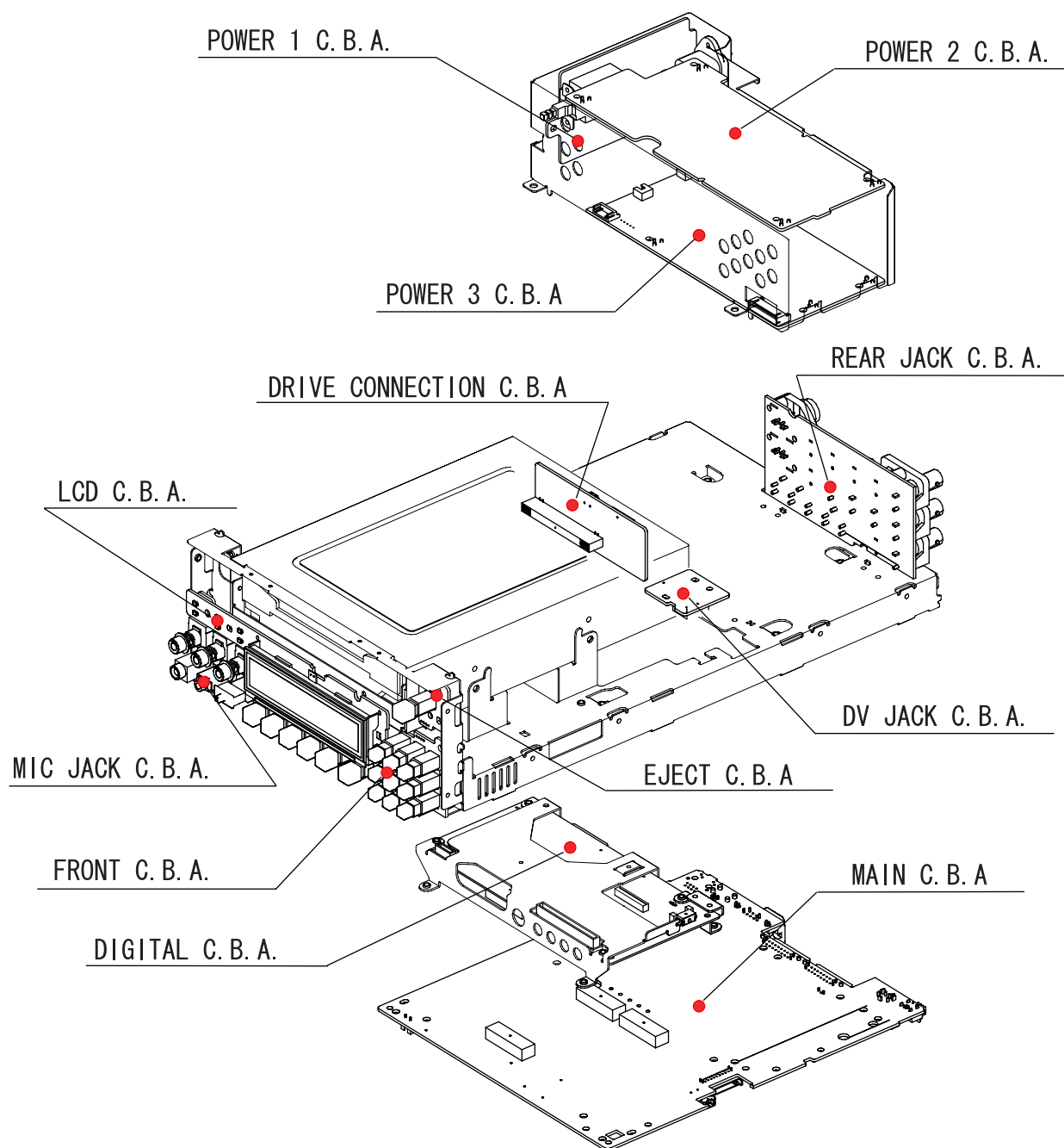


Fig.6-6

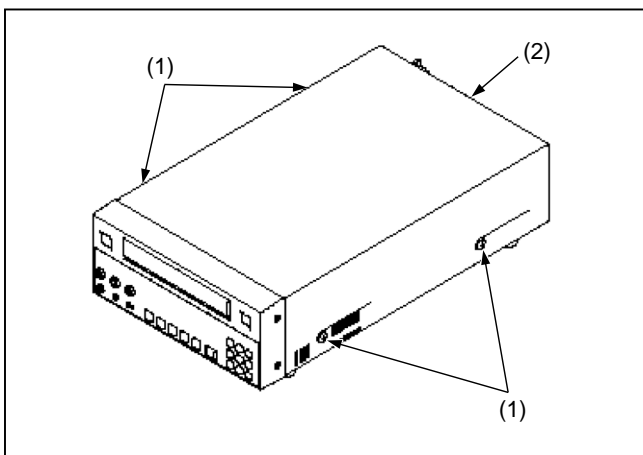
9. Turn the power off and set the DIP SW6302-3 to off

7. CIRCUIT BOARD LAYOUT



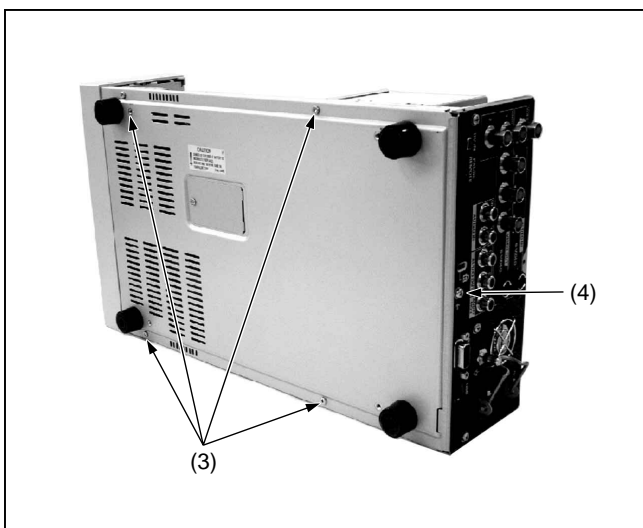
1. Removal of Top Panel

1. Unscrew the 5 screws (1) and (2).
2. Remove the top panel while lifting the rear part of it.



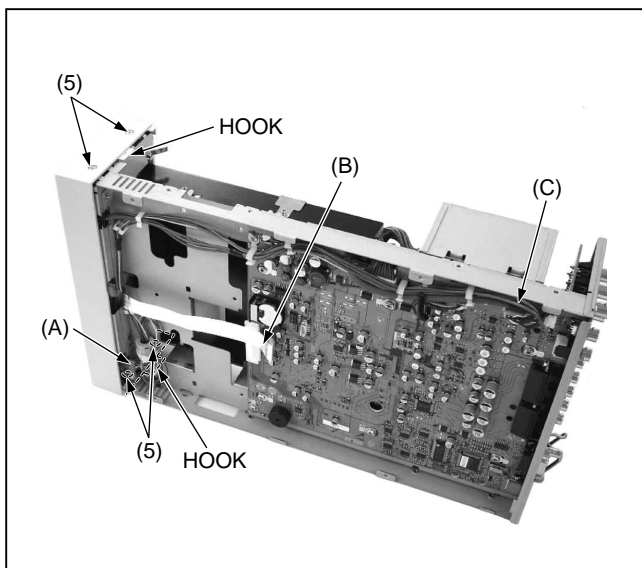
2. Removal of Bottom Case

1. Remove the top panel.
2. Unscrew the 5 screws (3) and (4).
3. Remove the bottom cover while lifting the front part of it.



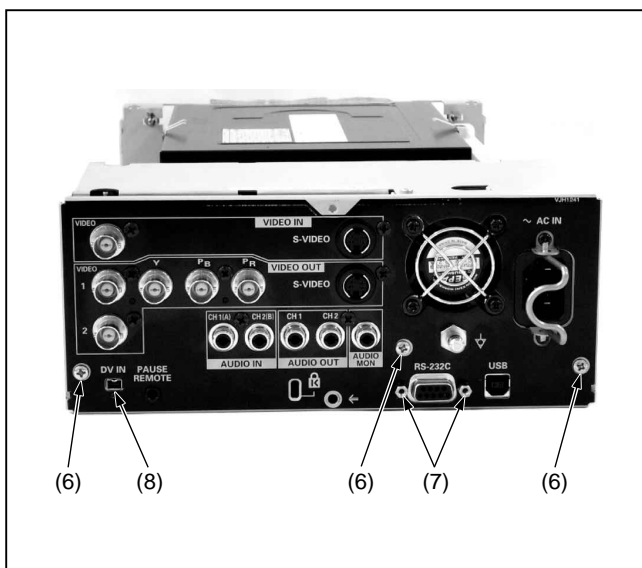
3. Removal of Front Panel

1. Remove the top panel and bottom case.
2. Unscrew the 4 screws (5).
3. Disconnect the 3 connectors (A),(B) and (C).
4. Remove the front panel while releasing the two hooks.



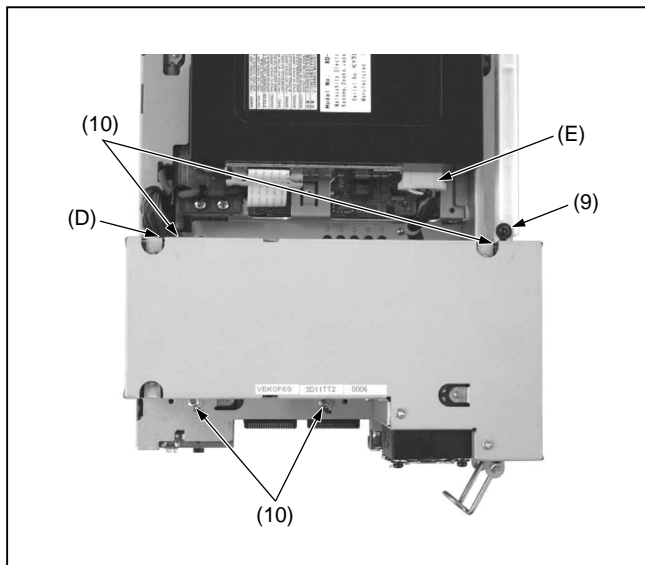
4. Removal of Rear jack plate

1. Remove the top panel and bottom case.
2. Unscrew the 6 screws (6), (7) and (8).
3. Remove the rear jack plate. Be careful because the MAIN P.C.Board and the connector in the rear jack P.C.Board are combined.



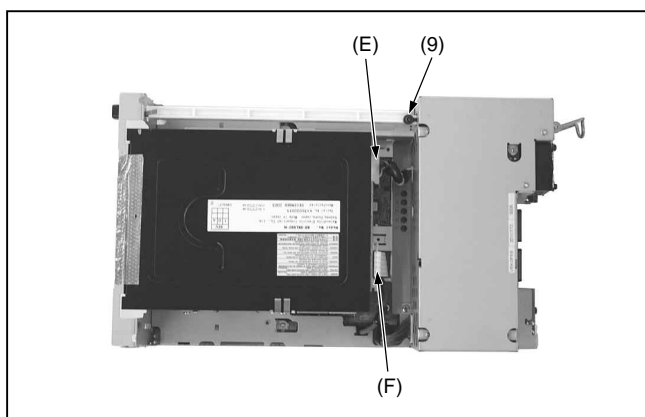
5. Removal of Power unit

1. Remove the top panel, bottom case and rear jack plate.
2. Unscrew a screw (9) and remove the power rod.
3. Unscrew the 4 screws (10).
4. Disconnect the 2 connectors (D) and (E).
5. Remove the power unit.

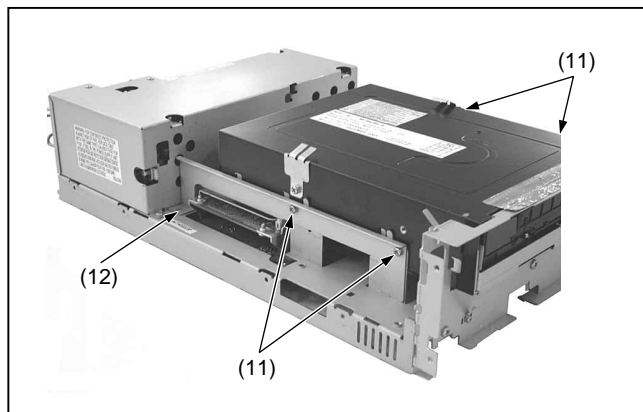


6. Removal of Drive unit

1. Remove the top panel, bottom case and front panel.
2. Loosen a screw (9) and remove the power rod.
3. Disconnect the 2 connectors (E) and (F).

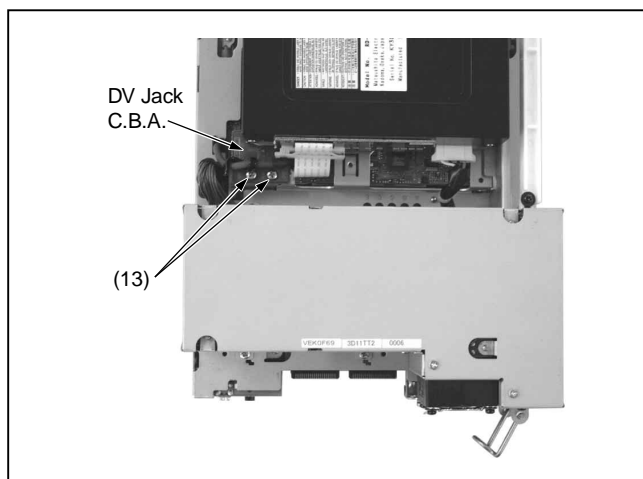


4. Unscrew the 5 screws (11) and (12) with support angle.
5. Peel off the shielding tape.
6. Remove the drive unit while lifting the rear part of it.

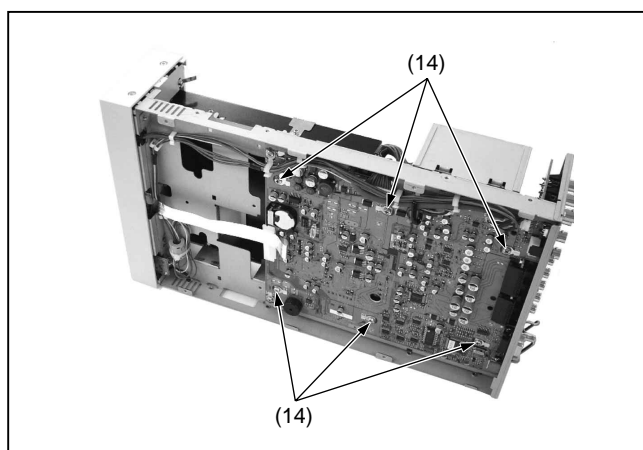


7. Removal of Main C.B.A. and Digital C.B.A..

1. Remove the top panel, bottom case and rear jack plate.
2. Unscrew the 2 screws (13) and remove the DV jack C.B.A.



3. Unscrew the 6 screws (14) and remove the MAIN P.C.Board and DIGITAL P.C.Board.

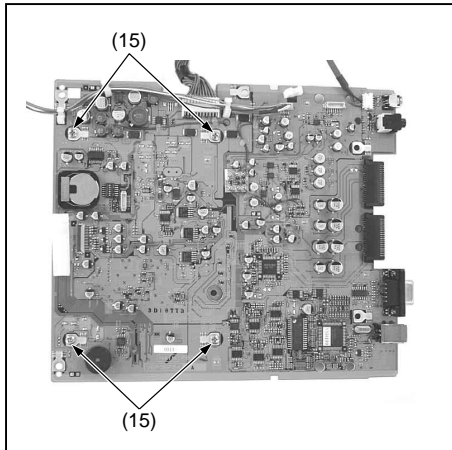


8. Removal of Digital P.C.Board

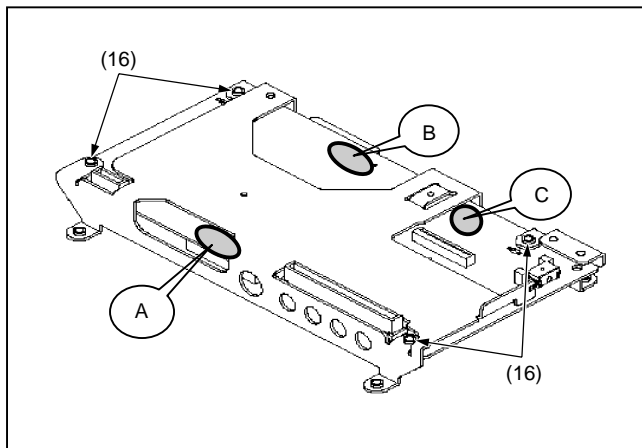
Use extreme care not to deform when removing or replacing the Digital P.C.Board.

<Disassembly procedure>

1. Remove the MAIN P.C.Board and DIGITAL P.C.Board.
2. Unscrew the 4 screws (15).



3. Lift the portion A on the Digital P.C.Board.
4. Lift the portion B and C on the Digital P.C.Board at the same time to remove.
5. Unscrew the 4 screws (16) and remove the angle.

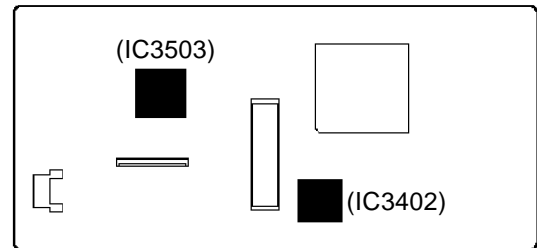


<Reassembly procedure>

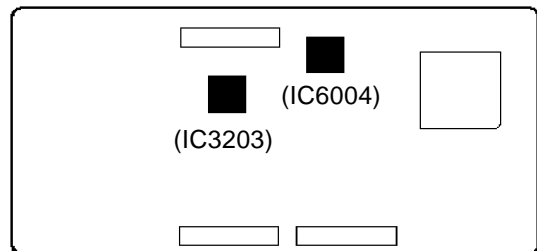
1. Install the angle by 4 screws (16).
2. Press the portion A on the Digital P.C.Board.
3. Press the portion B and C on the Digital P.C.Board at the same time.

Note:

Do not touch the CSP(IC3402,IC3503,IC6004,IC3203) during servicing.



(FOIL SIDE)



(COMPONENT SIDE)

Panasonic